Compact fluorescent lamps

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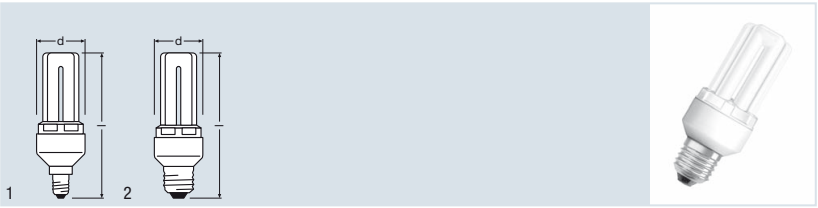
OSRAM DULUX® INTELLIGENT FACILITY



Product reference	Product number	W	V	lm	
DINT FCY 10W/825 E14 1)	4008321**126276**	10	220-240	580	Warm Comfort Light
DINT FCY 10W/825 E27 1)	4008321**126290**	10	220-240	580	Warm Comfort Light
DINT FCY 14W/825 E27 2)	4050300**631905**	14	220-240	800	Warm Comfort Light
DINT FCY 18W/825 E27 1)	4008321**118356**	18	220-240	1050	Warm Comfort Light
DINT FCY 22W/825 E27 1)	4008321**948519**	22	220-240	1360	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DINT FCY 10W/825 E14 1)	20000 h	>1000000	E14	45	129	10	1
DINT FCY 10W/825 E27 1)	20000 h	>1000000	E27	45	120	10	2
DINT FCY 14W/825 E27 2)	20000 h	>1000000	E27	45	126	10	2
DINT FCY 18W/825 E27 1)	20000 h	>1000000	E27	45	140	10	2
DINT FCY 22W/825 E27 1)	20000 h	>1000000	E27	52	171	10	2

1) Also available in LUMILUX® Warm White (827) and Cool White (840) on request I Already complies with Stage 5 of the eco-design requirements of directive (EC) 244/2009
2) Also available in LUMILUX® Warm White (827) and Cool White (840) on request I Also available with a B22d base on request I Already complies with Stage 5 of the eco-design requirements of directive (EC) 244/2009

OSRAM DULUX® INTELLIGENT FACILITY – Heavy duty lamp for demanding customers

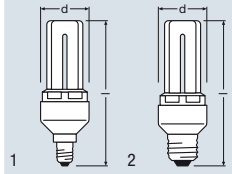
Product characteristics
- Extremely high number of switching cycles: >1,000,000
- Extremely long average life: 20,000 h (20 years at 2.7 h per day)
- Quick Light: 60 % luminous flux in ≤20 s
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Can be used in Direct Current systems: 176…310 V DC
- Very broad ambient temperature range: -30 to +50 °C
- Already complies to ecodesign requirements of EC 244/2009 regulation stage 5

Product benefits
- Extremely durable due to extremly high switching resistance
- Much longer relamping intervals
- Variable use at Direct Current and Alternating Current
- Extremely fast lumen ramp-up thanks to Quick Light Technology

Applications
- Where the lamps need to last a long time or have to withstand frequent on/off switching
- Installations with automatic switch-off (e.g. in stairwells)
- Emergency lighting
- Hard-to-reach holders
- Wherever light is required quickly
- Hotels, restaurants, facility management
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® INTELLIGENT LONGLIFE



Product reference	Product number	W	V	lm	
DINT LL 7W/825 E14 [1]	4050300**315157**	7	220-240	380	Warm Comfort Light
DINT LL 7W/825 E27 [2]	4050300**288819**	7	220-240	380	Warm Comfort Light
DINT LL 11W/825 E14 [1]	4050300**811451**	11	220-240	640	Warm Comfort Light
DINT LL 11W/825 E27 [2]	4050300**811598**	11	220-240	640	Warm Comfort Light
DINT LL 14W/825 E27 [3]	4008321**394965**	14	220-240	820	Warm Comfort Light
DINT LL 18W/825 E27 [3]	4008321**394989**	18	220-240	1140	Warm Comfort Light
DINT LL 22W/825 E27 [4]	4008321**953469**	22	220-240	1440	Warm Comfort Light
DINT LL 30W/825 E27 [4]	4008321**935939**	30	220-240	1940	Warm Comfort Light

Product reference	t [h]			d [mm]	[mm]		No.
DINT LL 7W/825 E14 [1]	20000 h	500000	E14	36	122	10	1
DINT LL 7W/825 E27 [2]	20000 h	500000	E27	36	116	10	2
DINT LL 11W/825 E14 [1]	20000 h	500000	E14	45	129	10	1
DINT LL 11W/825 E27 [2]	20000 h	500000	E27	45	120	10	2
DINT LL 14W/825 E27 [3]	20000 h	500000	E27	45	131	10	2
DINT LL 18W/825 E27 [3]	20000 h	500000	E27	45	148	10	2
DINT LL 22W/825 E27 [4]	20000 h	500000	E27	58	176	10	2
DINT LL 30W/825 E27 [4]	20000 h	500000	E27	58	195	10	2

1) Also available in LUMILUX® Warm White (827) and Cool White (840) on request
2) Also available in LUMILUX® Warm White (827) and Cool White (840) on request I Also available with a B22d base on request
3) Also available in LUMILUX® Warm White (827) and Cool White (840) on request I Also available with a B22d base on request I Already complies with Stage 5 of the eco-design requirements of directive (EC) 244/2009
4) Also available in LUMILUX® Warm White (827) and Cool White (840) on request I Already complies with Stage 5 of the eco-design requirements of directive (EC) 244/2009

OSRAM DULUX® INTELLIGENT LONGLIFE – Durable Lighting

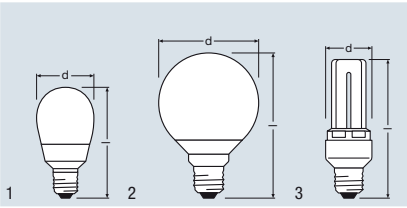
Product characteristics
- Extremely long average lifetime: 20,000 h (20 years at 2.7 h per day)
- Very high number of switching cycles: 500,000
- Quick Light: 60 % light output in ≤ 20 s
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Very broad ambient temperature range: -30 to +50 °C (7 W: -20 to +50 °C)

Product benefits
- Very durable, due to high switching resistance
- Much longer relamping intervals
- Flicker-free starting and flicker-free operation
- Extremely fast lumen ramp-up thanks to Quick Light Technology

Applications
- Hotels, restaurants, facility management
- Hard-to-reach holders
- General illumination
- Wherever light is required quickly
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® INTELLIGENT LEDOTRON



Product reference	Product number	W	V	lm		
DINT LEDOTRON CLA14W/825 E27 [1]	4008321**988546**	14	220-240	740	Warm Comfort Light	NEW
DINT LEDOTRON GL14W/825 E27 [2]	4008321**694652**	14	220-240	820	Warm Comfort Light	NEW
DINT LEDOTRON STICK 18W/825 E27 [2]	4008321**671059**	18	220-240	1140	Warm Comfort Light	NEW

Product reference	t [h]			d [mm]	l [mm]		No.
DINT LEDOTRON CLA14W/825 E27 [1]	10000 h	30000	E27	61 [3]	128 [3]	10	1
DINT LEDOTRON GL14W/825 E27 [2]	20000 h	>1000000	E27	119	170	10	2
DINT LEDOTRON STICK 18W/825 E27 [2]	20000 h	>1000000	E27	45	148	10	3

1) LEDOTRON classic shape planned to be available from fall 2012
2) Already complies with Stage 5 of the eco-design requirements of directive (EC) 244/2009
3) Photometric data subject to change without notice

LEDOTRON

Warm Comfort Light

7% 100% LEDOTRON

OSRAM DULUX® INTELLIGENT LEDOTRON – The next generation of dimming

Product characteristics
- LEDOTRON chip
- Quick Light: 60 % light output in ≤ 20 s (LEDOTRON Stick version)
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

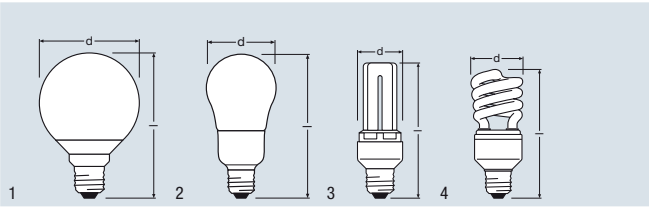
Product benefits
- Comfortable, digital dimming with LEDOTRON technology
- Creation of the preferred light ambience
- Switching possible at every dimming level
- Energy savings and dimming at the same time

Applications
- Rooms in which different light levels are to be created
- Outdoor use in enclosed and ventilated luminaires only
- Wherever light is required quickly
- Hard-to-reach holders
- General illumination

Technical equipment
- Suitable for dimming with LEDOTRON control devices only

Safety information
In the event of a breakage: www.osram.com/brokenlamps

OSRAM DULUX® INTELLIGENT DIM



Product reference	Product number	W	V	lm	
DINT DIM GL 15W/825 E27 [1]	4008321**924209**	15	220-240	840	Warm Comfort Light
NEW DINT DIM CLA 16W/825 E27 [2]	4008321**953544**	16	220-240	880	Warm Comfort Light
DINT DIM STICK 18W/825 E27 [1]	4008321**953445**	18	220-240	1140	Warm Comfort Light
NEW DINT DIM TWIST 20W/825 E27 [3]	4008321**953605**	20	220-240	1300	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DINT DIM GL 15W/825 E27 [1]	20000 h	>1000000	E27	120	170	10	1
DINT DIM CLA 16W/825 E27 [2]	10000 h	30000	E27	78	163	10	2
DINT DIM STICK 18W/825 E27 [1]	20000 h	>1000000	E27	52	161	10	3
DINT DIM TWIST 20W/825 E27 [3]	10000 h	15000	E27	56	138	10	4

1) Already complies with Stage 5 of the eco-design requirements of directive (EC) 244/2009
2) Also available in LUMILUX® Warm White (827) and Cool White (840) on request | Also available with a B22d base on request
3) Also available in LUMILUX® Warm White (827) on request

OSRAM DULUX® INTELLIGENT DIM – Turn it on, and dim it down

Product characteristics
- Infinitely variable dimming (from 100 to 7 %) with leading edge phase dimmers
- Dimmable compact fluorescent lamps in Stick, Twist, Globe and Classic shapes
- Quick Light: 60 % light output in ≤20 s (DIM Globe, DIM Stick and DIM Twist)
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity

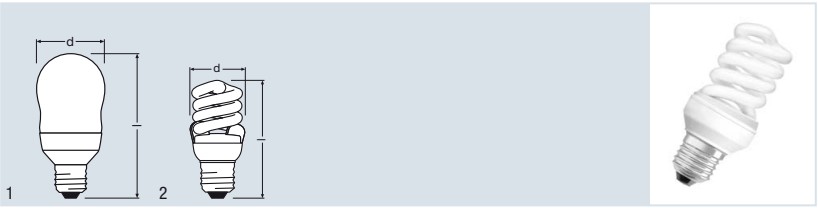
Product benefits
- Creation of the prefered light ambiance
- Greatest light color variation among energy-saving products
- Energy savings and dimming at the same time
- Various lamp shapes available to fit all luminaires

Applications
- Rooms in which different light levels are to be created
- Dimmable installations
- General illumination
- For indoor lighting only

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
For dimming compliance go to www.osram.com/DIM

OSRAM DULUX® INTELLIGENT HIGH EFFICIENCY



Product reference	Product number	W	V	lm		
DINT HE CL A 11W/825 E27	4008321**587947**	11	220-240	770 lm	Warm Comfort Light	NEW
DINT HE CL A 14W/825 E27	4008321**587985**	14	220-240	980 lm	Warm Comfort Light	NEW
DINT HE MICRTW 11W/825 E27	4008321**965905**	11	220-240	825 lm [2]	Warm Comfort Light	NEW
DINT HE MICRTW 14W/825 E27	4008321**965912**	14	220-240	1050 lm [2]	Warm Comfort Light	NEW
DINT HE MICRTW 20W/825 E27 [1]	4008321**965929**	20	220-240	1500 lm [2]	Warm Comfort Light	NEW

Product reference	t [h]			d [mm]	l [mm]		No.
DINT HE CL A 11W/825 E27	15000 h	50000	E27	61	117	10	1
DINT HE CL A 14W/825 E27	15000 h	50000	E27	61	128	10	1
DINT HE MICRTW 11W/825 E27	15000 h	50000 [2]	E27	42	101	10	2
DINT HE MICRTW 14W/825 E27	15000 h	50000 [2]	E27	42	104	10	2
DINT HE MICRTW 20W/825 E27 [1]	15000 h	50000 [2]	E27	42	116	10	2

1) Planned to be available from the end of 2012
2) Photometric data subject to change without notice

OSRAM DULUX® INTELLIGENT HIGH EFFICIENCY – Efficiency which will impress

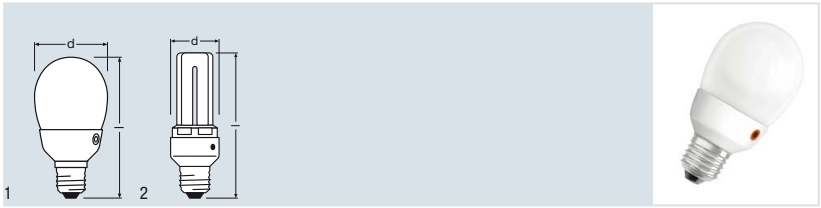
Product characteristics
- Luminous efficacy: ≥ 70 lm/W
- Available in 3 light colors: 825, 827 and 840
- Quick Light: 60 % light output in ≤ 30 s (Twist version)
- Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

Product benefits
- Excellent price/performance ratio
- Improved efficiency: More light for the same wattage
- Fast return on investment
- Various lamp shapes available to fit all luminaires

Applications
- General illumination
- Hospitality
- Hotels, restaurants
- Wherever compact, efficient lamps are needed
- Hard-to-reach holders

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® INTELLIGENT SENSOR



Product reference	Product number	W	V	lm	
DINT SENSOR MIBA 11W/825 E27	4008321**377722**	11	220-240	630	Warm Comfort Light
DINT SENSOR STICK 11W/827 E27	4008321**986955**	11	220-240	600	Warm White
DINT SENSOR STICK 15W/827 E27 [1]	4008321**987082**	15	220-240	850	Warm White

Product reference	t [h]			d [mm]	l [mm]		No.
DINT SENSOR MIBA 11W/825 E27	10000 h	10000	E27	60	114	10	1
DINT SENSOR STICK 11W/827 E27	20000 h	500000	E27	45	126	10	2
DINT SENSOR STICK 15W/827 E27 [1]	20000 h	500000	E27	45	132	10	2

1) Also available with a B22d base on request

OSRAM DULUX® INTELLIGENT SENSOR – Welcome the night with light

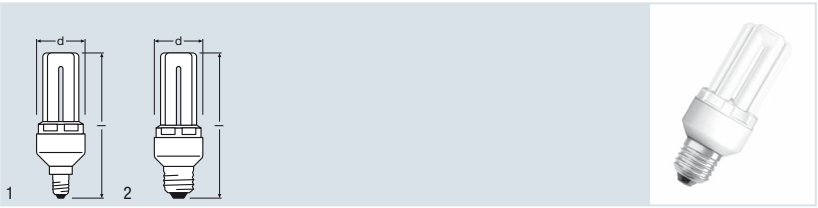
Product characteristics
- Warm Comfort Light - energy-saving light similar to that of an incandescent lamp
- Available in tubular and classic designs
- Available in 2 light colors: 825 and 827
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity

Product benefits
- Energy-saving lighting solution because of automatic switch-off at day-light
- Automatically switches on at dusk and off again at dawn
- Intelligent microprocessor technology
- Unaffected by interference light
- Low maintenance effort
- Light sensors detect daylight on the basis of the spectral distribution

Applications
- Wherever constant lighting is necessary at night
- Outdoor applications only
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO STICK



Product reference	Product number	W	V	lm	
DPRO STICK 8W/825 E14 [1]	4008321**986948**	8	220-240	440	Warm Comfort Light
DPRO STICK 8W/825 E27 [1]	4008321**987075**	8	220-240	440	Warm Comfort Light
DPRO STICK 14W/825 E27 [1]	4008321**987013**	14	220-240	770	Warm Comfort Light
DPRO STICK 20W/825 E27 [1]	4008321**986825**	20	220-240	1300	Warm Comfort Light
DPRO STICK 30W/825 E27 [2]	4008321**987099**	30	220-240	1940	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO STICK 8W/825 E14 [1]	10000 h	10000	E14	43	115	10	1
DPRO STICK 8W/825 E27 [1]	10000 h	10000	E27	43	112	10	2
DPRO STICK 14W/825 E27 [1]	10000 h	10000	E27	44	136	10	2
DPRO STICK 20W/825 E27 [1]	10000 h	10000	E27	45	159	10	2
DPRO STICK 30W/825 E27 [2]	10000 h	10000	E27	58	195	10	2

1) Also available in LUMILUX® Cool White (840) and Cool Daylight (865) on request | Also available with a B22d base on request
2) Also available in LUMILUX® Cool White (840) on request

OSRAM DULUX® PRO STICK – Great performance for reasonable expense

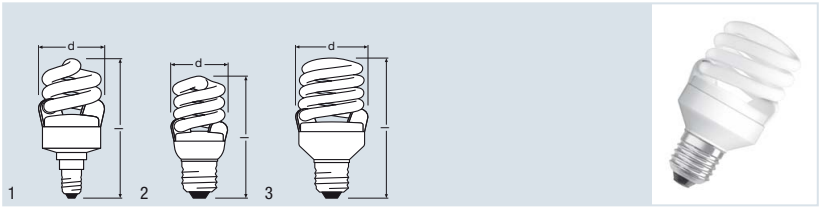
Product characteristics
- Quick Light: 60% light output in ≤30 s
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity

Product benefits
- Excellent price/performance ratio
- Extremely fast lumen ramp-up thanks to Quick Light Technology
- Fast return on investment
- Great variety of light colors

Applications
- High-quality domestic and professional environments
- Wherever light is required quickly
- General illumination
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO MICRO TWIST



Product reference	Product number	W	V	lm	
DPRO MCTW 7W/825 E14 [1]	4008321**986030**	7	220-240	430	Warm Comfort Light
DPRO MCTW 7W/825 E27 [2]	4008321**986047**	7	220-240	430	Warm Comfort Light
DPRO MCTW 11W/825 E14 [1]	4008321**986085**	11	220-240	650	Warm Comfort Light
DPRO MCTW 11W/825 E27 [2]	4008321**986092**	11	220-240	650	Warm Comfort Light
DPRO MCTW 14W/825 E27 [2]	4008321**986139**	14	220-240	860	Warm Comfort Light
DPRO MCTW 17W/825 E27 [2]	4008321**986160**	17	220-240	1200	Warm Comfort Light
DPRO MCTW 23W/825 E27 [2]	4008321**986191**	23	220-240	1600	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO MCTW 7W/825 E14 [1]	10000 h	7000	E14	43	94	10	1
DPRO MCTW 7W/825 E27 [2]	10000 h	7000	E27	43	91	10	2
DPRO MCTW 11W/825 E14 [1]	12000 h	7000	E14	43	103	10	1
DPRO MCTW 11W/825 E27 [2]	12000 h	7000	E27	43	96	10	2
DPRO MCTW 14W/825 E27 [2]	12000 h	7000	E14	57	101	10	3
DPRO MCTW 17W/825 E27 [2]	12000 h	7000	E27	57	112	10	3
DPRO MCTW 23W/825 E27 [2]	12000 h	7000	E27	57	119	10	3

1) Also available in LUMILUX® Cool Daylight (865) on request
2) Also available with a B22d base on request | Also available in LUMILUX® Cool Daylight (865) on request

OSRAM DULUX® PRO MICRO TWIST – A beautiful twist

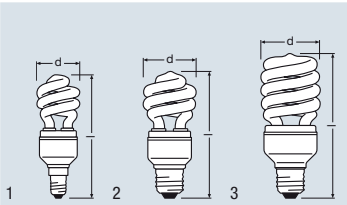
Product characteristics
- Quick Light: 60 % light output in ≤ 30 s
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

Product benefits
- Extremely small dimensions
- Very compact CFLi shape with high efficieny
- Extremely fast lumen ramp-up thanks to Quick Light Technology
- Low maintenance effort
- High efficiency: more light for the same wattage
- Higher luminous efficacy
- Fast return on investment

Applications
- Wherever compact, efficient lamps are needed
- High-quality domestic and professional applications
- General illumination
- Wherever light is required quickly
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO MINI TWIST



Product reference	Product number	W	V	lm	
DPRO MTW 11W/825 E14 [1]	4008321**986221**	11	220-240	660	Warm Comfort Light
DPRO MTW 11W/825 E27 [2]	4008321**986238**	11	220-240	660	Warm Comfort Light
DPRO MTW 13W/825 E27 [2]	4008321**986290**	13	220-240	835	Warm Comfort Light
DPRO MTW 18W/825 E27 [2]	4008321**986337**	18	220-240	1150	Warm Comfort Light
DPRO MTW 23W/825 E27 [2]	4008321**986375**	23	220-240	1520	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO MTW 11W/825 E14 [1]	8000 h	10000	E14	43	109	10	1
DPRO MTW 11W/825 E27 [2]	8000 h	10000	E27	48	93	10	2
DPRO MTW 13W/825 E27 [2]	8000 h	10000	E27	52	119	10	2
DPRO MTW 18W/825 E27 [2]	8000 h	10000	E27	56	126	10	3
DPRO MTW 23W/825 E27 [2]	8000 h	10000	E27	56	135	10	3

1) Also available in LUMILUX® Cool White (840) and Cool Daylight (865) on request
2) Also available in LUMILUX® Cool White (840) and Cool Daylight (865) on request I Also available with a B22d base on request

OSRAM DULUX® PRO MINI TWIST – Known technique in an efficient design

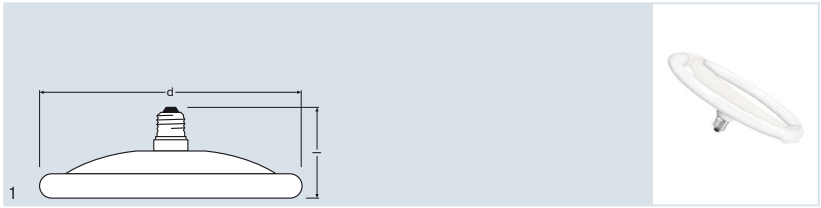
Product characteristics
- Quick Light: 60% light output in ≤20 s
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Available in 3 light colors: 825, 840 and 865
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity

Product benefits
- Compact dimensions
- Higher luminous efficacy
- Great light color variation among energy-saving products
- Extremely fast lumen ramp-up thanks to Quick Light Technology
- Fast return on investment

Applications
- High-quality domestic and professional applications
- General illumination
- Wherever light is required quickly
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO CIRCOLUX



Product reference	Product number	W	V	lm	
DPRO CIRCOLUX 24W/827 E27 [1]	4008321**987112**	24	220-240	1600	Warm White

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO CIRCOLUX 24W/827 E27 [1]	15000 h	10000	E27	231	82	4	1

1) Also available in LUMILUX® Cool White (840) on request

OSRAM DULUX® PRO CIRCOLUX – The well-rounded solution

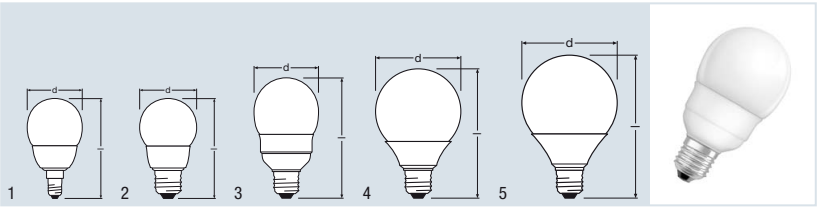
Product characteristics
- Very long average lifetime: 15,000 h (15 years at 2.7 h per day)
- Quick Light: 60 % light output in ≤ 20 s
- Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

Product benefits
- Excellent luminous flux
- Ideal distribution of light for general illumination
- Low weight and low profile
- Attractive lamp appearance
- Extremely fast lumen ramp-up thanks to Quick Light Technology
- Fast return on investment

Applications
- High-quality domestic and professional environments
- Large shaded and pendant luminaires
- Low-profile wall and ceiling luminaires
- Hard-to-reach holders
- General illumination
- Wherever light is required quickly
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO MINI BALL



Product reference	Product number	W	V	lm	
DPRO MIBA 7W/825 E14	4008321**986580**	7	220-240	300	Warm Comfort Light
DPRO MIBA 7W/825 E27	4008321**986573**	7	220-240	300	Warm Comfort Light
DPRO MIBA 11W/825 E27 [1)]	4008321**986610**	11	220-240	580	Warm Comfort Light
DPRO MIBA 15W/825 E27 [1)]	4008321**986627**	15	220-240	800	Warm Comfort Light
DPRO MIBA 20W/825 E27	4008321**986634**	20	220-240	1152	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO MIBA 7W/825 E14	10000 h	10000	E14	51	96	10	1
DPRO MIBA 7W/825 E27	10000 h	10000	E27	51	93	10	2
DPRO MIBA 11W/825 E27 [1)]	10000 h	10000	E27	61	117	10	3
DPRO MIBA 15W/825 E27 [1)]	10000 h	10000	E27	81	125	10	4
DPRO MIBA 20W/825 E27	10000 h	10000	E27	96	142	10	5

1) Also available with a B22d base on request

OSRAM DULUX® PRO MINI BALL – Beautiful efficiency

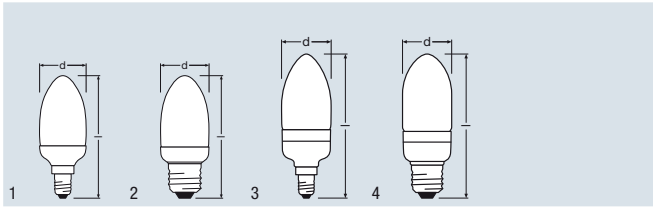
Product characteristics
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity
- Frosted outer bulb

Product benefits
- Attractive lamp appearance
- Compact dimensions
- Ideal for decorative and free-burning applications
- Can be easily fitted instead of ordinary light bulbs

Applications
- Attractive CFLi shape, therefore also suitable for open luminaires
- General illumination
- High-quality domestic and professional environments
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO MINI CANDLE



	Product reference	Product number	W	V	lm	
NEW	DPRO MICA 6W/825 E14	4008321**986603**	6	220-240	230	Warm Comfort Light
NEW	DPRO MICA 6W/825 E27	4008321**986597**	6	220-240	230	Warm Comfort Light
NEW	DPRO MICA 9W/825 E14	4008321**986658**	9	220-240	430	Warm Comfort Light
NEW	DPRO MICA 9W/825 E27	4008321**986641**	9	220-240	430	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO MICA 6W/825 E14	10000 h	30000	E14	37	98	10	1
DPRO MICA 6W/825 E27	10000 h	30000	E27	37	95	10	2
DPRO MICA 9W/825 E14	10000 h	30000	E14	43	110	10	3
DPRO MICA 9W/825 E27	10000 h	30000	E27	43	109	10	4

OSRAM DULUX® PRO MINI CANDLE – Classic and elegant

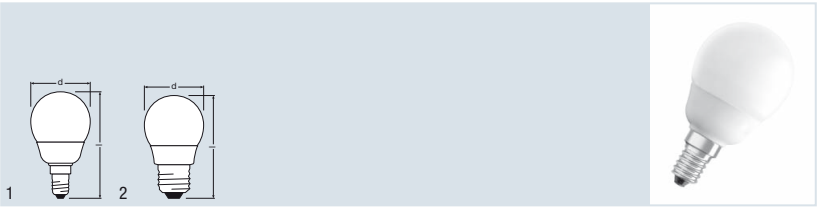
Product characteristics
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity
- Frosted outer bulb
- Already complies to ecodesign requirements of EC 244/2009 regulation stage 5

Product benefits
- Attractive lamp appearance
- Ideal for decorative and free-burning applications
- Can be easily fitted instead of ordinary light bulbs

Applications
- Attractive CFLi shape, therefore also suitable for open luminaires
- General illumination
- Demanding private and professional environments
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO MINI BULLET



Product reference	Product number	W	V	lm		
DPRO MIBU 6W/825 E14	4008321**986696**	6	220-240	230	Warm Comfort Light	NEW
DPRO MIBU 6W/825 E27	4008321**986689**	6	220-240	230	Warm Comfort Light	NEW
DPRO MIBU 9W/825 E14	4008321**986733**	9	220-240	430	Warm Comfort Light	NEW
DPRO MIBU 9W/825 E27	4008321**986726**	9	220-240	430	Warm Comfort Light	NEW

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO MIBU 6W/825 E14	10000 h	30000	E14	46	85	10	1
DPRO MIBU 6W/825 E27	10000 h	30000	E27	46	82	10	2
DPRO MIBU 9W/825 E14	10000 h	30000	E14	56	100	10	1
DPRO MIBU 9W/825 E27	10000 h	30000	E27	56	98	10	2

OSRAM DULUX® PRO MINI BULLET – Tiny but lighty

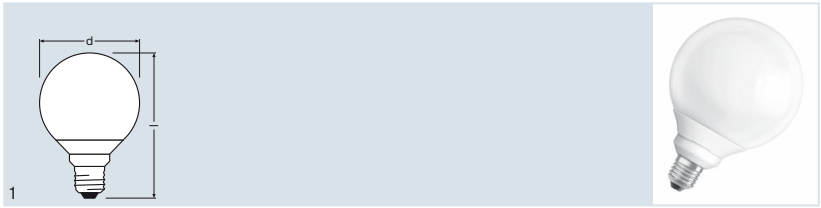
Product characteristics
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity
- Frosted outer bulb
- Already complies to ecodesign requirements of EC 244/2009 regulation stage 5

Product benefits
- Among the smallest energy-saving lamps
- Attractive lamp appearance
- Ideal for decorative and free-burning applications
- Extremely small dimensions
- Ideal in particular for small designer luminaires
- Can be easily fitted instead of ordinary light bulbs

Applications
- Attractive CFLi shape, therefore also suitable for open luminaires
- General illumination
- High-quality domestic and professional environments
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® PRO GLOBE



Product reference	Product number	W	V	lm	
DPRO GL 14W/825 E27	4008321**986665**	14	220-240	860	Warm Comfort Light
DPRO GL 18W/825 E27	4008321**986672**	18	220-240	1060	Warm Comfort Light

Product reference	t [h]			d [mm]	l [mm]		No.
DPRO GL 14W/825 E27	15000 h	500000	E27	120	170	10	1
DPRO GL 18W/825 E27	15000 h	500000	E27	120	170	10	1

OSRAM DULUX® PRO GLOBE – Lighting Globe

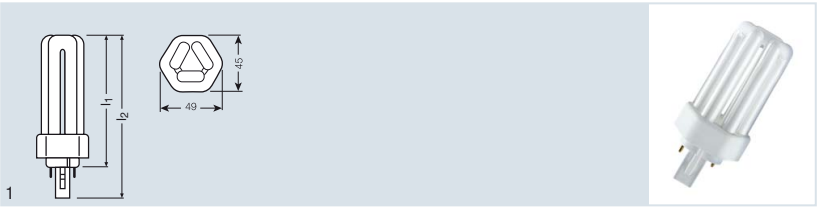
Product characteristics
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Quick Light: 60% light output in ≤40 s
- Good quality of light; color rendering index R_a: ≥80; constant chromaticity
- Frosted outer bulb
- Already complies to ecodesign requirements of EC 244/2009 regulation stage 5

Product benefits
- Attractive lamp appearance
- Ideal for decorative and free-burning applications
- Can be easily fitted instead of ordinary light bulbs

Applications
- General illumination
- High-quality domestic and professional environments
- Outdoor use in enclosed and ventilated luminaires only

Safety information
In the event of a breakage: www.osram.com/brokenlamps
Not suitable for use with external dimmers or electronic switches.

OSRAM DULUX® T PLUS



Product reference	Product number	W	lm	R_a
DULUX T 13 W/830 PLUS	4050300**446929**	13	900	80…89
DULUX T 13 W/840 PLUS	4050300**446905**	13	900	80…89
DULUX T 18 W/827 PLUS	4050300**333502**	18	1200	80…89
DULUX T 18 W/830 PLUS	4050300**333489**	18	1200	80…89
DULUX T 18 W/840 PLUS	4050300**333465**	18	1200	80…89
DULUX T 26 W/827 PLUS	4050300**342085**	26	1800	80…89
DULUX T 26 W/830 PLUS	4050300**342061**	26	1800	80…89
DULUX T 26 W/840 PLUS	4050300**342047**	26	1800	80…89

Product reference			l1 max. [mm]		No.
DULUX T 13 W/830 PLUS	LUMILUX Warm White	GX24d-1	90	10	1
DULUX T 13 W/840 PLUS	LUMILUX Cool White	GX24d-1	90	10	1
DULUX T 18 W/827 PLUS	LUMILUX INTERNA	GX24d-2	101	10	1
DULUX T 18 W/830 PLUS	LUMILUX Warm White	GX24d-2	101	10	1
DULUX T 18 W/840 PLUS	LUMILUX Cool White	GX24d-2	101	10	1
DULUX T 26 W/827 PLUS	LUMILUX INTERNA	GX24d-3	116	10	1
DULUX T 26 W/830 PLUS	LUMILUX Warm White	GX24d-3	116	10	1
DULUX T 26 W/840 PLUS	LUMILUX Cool White	GX24d-3	116	10	1

Thanks to its impressive properties and compact design, the OSRAM DULUX® T PLUS can be used in a wide range of traditional fixtures and downlights with small mounting depths (CCG operation).

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life*

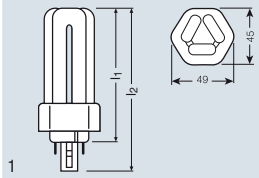
Product characteristics
- Average life: 10,000 hours
- Good color rendering index 1B (R_a 80-89)
- Good maintenance
- Short and compact pin-base lamps with triple-turn tubes
- Single-ended two-pin plug-in GX24d base
- Suitable for operation on conventional control gear
- OSRAM DULUX® T 18 W PLUS lamps are suitable only for operating with 0.22 A control gear

Applications
- Public buildings
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® T/E PLUS



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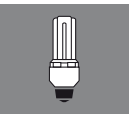
Product reference	Product number	W	lm	R_a
DULUX T/E 13 W/827 PLUS	4050300**447001**	13	900	80…89
DULUX T/E 13 W/830 PLUS	4050300**446981**	13	900	80…89
DULUX T/E 13 W/840 PLUS	4050300**446967**	13	900	80…89
DULUX T/E 18 W/827 PLUS	4050300**342269**	18	1200	80…89
DULUX T/E 18 W/830 PLUS	4050300**342245**	18	1200	80…89
DULUX T/E 18 W/840 PLUS	4050300**342221**	18	1200	80…89
DULUX T/E 26 W/827 PLUS	4050300**342320**	26	1800	80…89
DULUX T/E 26 W/830 PLUS	4050300**342306**	26	1800	80…89
DULUX T/E 26 W/840 PLUS	4050300**342283**	26	1800	80…89
DULUX T/E 32 W/827 PLUS	4050300**348605**	32	2400	80…89
DULUX T/E 32 W/830 PLUS	4050300**348582**	32	2400	80…89
DULUX T/E 32 W/840 PLUS	4050300**348568**	32	2400	80…89
DULUX T/E 42 W/827 PLUS	4050300**425665**	42	3200	80…89
DULUX T/E 42 W/830 PLUS	4050300**425641**	42	3200	80…89
DULUX T/E 42 W/840 PLUS	4050300**425627**	42	3200	80…89

Product reference			l max. [mm]		No.
DULUX T/E 13 W/827 PLUS	LUMILUX INTERNA	GX24q-1	90	10	1
DULUX T/E 13 W/830 PLUS	LUMILUX Warm White	GX24q-1	90	10	1
DULUX T/E 13 W/840 PLUS	LUMILUX Cool White	GX24q-1	90	10	1
DULUX T/E 18 W/827 PLUS	LUMILUX INTERNA	GX24q-2	101	10	1
DULUX T/E 18 W/830 PLUS	LUMILUX Warm White	GX24q-2	101	10	1
DULUX T/E 18 W/840 PLUS	LUMILUX Cool White	GX24q-2	101	10	1
DULUX T/E 26 W/827 PLUS	LUMILUX INTERNA	GX24q-3	116	10	1
DULUX T/E 26 W/830 PLUS	LUMILUX Warm White	GX24q-3	116	10	1
DULUX T/E 26 W/840 PLUS	LUMILUX Cool White	GX24q-3	116	10	1
DULUX T/E 32 W/827 PLUS	LUMILUX INTERNA	GX24q-3	132	10	1
DULUX T/E 32 W/830 PLUS	LUMILUX Warm White	GX24q-3	132	10	1
DULUX T/E 32 W/840 PLUS	LUMILUX Cool White	GX24q-3	132	10	1
DULUX T/E 42 W/827 PLUS	LUMILUX INTERNA	GX24q-4	153	10	1
DULUX T/E 42 W/830 PLUS	LUMILUX Warm White	GX24q-4	153	10	1
DULUX T/E 42 W/840 PLUS	LUMILUX Cool White	GX24q-4	153	10	1

OSRAM DULUX® T/E PLUS – an energy-saving compact fluorescent lamp that is at home both indoors and outdoors. It has been optimized for indoor lighting and is therefore ideal for small unconventional fixtures and downlights with small mounting depths and for new lighting systems.

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life*
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC® ECG

Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Improved maintenance
- Dimmable from 100 % to 3 %
- Short and compact pin-base lamps with triple-turn tubes
- Single-ended 4-pin plug-in GX24q base with shortened base casing
- Suitable for operation on electronic control gear



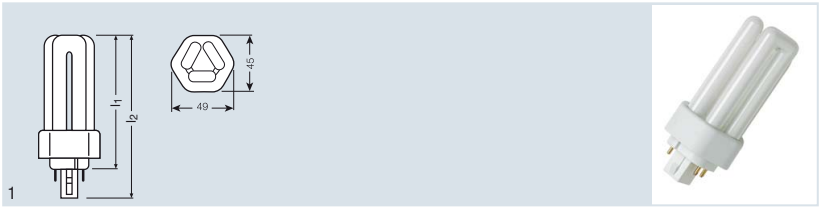
Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70 % of the system luminous flux is still available.

OSRAM DULUX® T/E CONSTANT



Product reference	Product number	W	lm	R_a
DULUX T/E 26 W/830 CONSTANT 1)	4050300**425467**	26	1800	80…89
DULUX T/E 26 W/840 CONSTANT 1)	4050300**425443**	26	1800	80…89
DULUX T/E 32 W/827 CONSTANT	4050300**425542**	32	2400	80…89
DULUX T/E 32 W/830 CONSTANT	4050300**425528**	32	2400	80…89
DULUX T/E 32 W/840 CONSTANT	4050300**425504**	32	2400	80…89
DULUX T/E 42 W/827 CONSTANT	4050300**425603**	42	3200	80…89
DULUX T/E 42 W/830 CONSTANT	4050300**425580**	42	3200	80…89
DULUX T/E 42 W/840 CONSTANT	4050300**425566**	42	3200	80…89

Product reference			l1 max. [mm]		No.
DULUX T/E 26 W/830 CONSTANT 1)	LUMILUX Warm White	GX24q-3	112	10	1
DULUX T/E 26 W/840 CONSTANT 1)	LUMILUX Cool White	GX24q-3	112	10	1
DULUX T/E 32 W/827 CONSTANT	LUMILUX INTERNA	GX24q-3	128	10	1
DULUX T/E 32 W/830 CONSTANT	LUMILUX Warm White	GX24q-3	128	10	1
DULUX T/E 32 W/840 CONSTANT	LUMILUX Cool White	GX24q-3	128	10	1
DULUX T/E 42 W/827 CONSTANT	LUMILUX INTERNA	GX24q-4	149	10	1
DULUX T/E 42 W/830 CONSTANT	LUMILUX Warm White	GX24q-4	149	10	1
DULUX T/E 42 W/840 CONSTANT	LUMILUX Cool White	GX24q-4	149	10	1

1) On request

OSRAM DULUX® T/E CONSTANT lamps offer constant high luminous flux over a wide range of temperatures.

Product benefits
- Extremely economical
- Excellent luminous flux at high and low ambient temperatures
- Good quality of light
- Long service life*

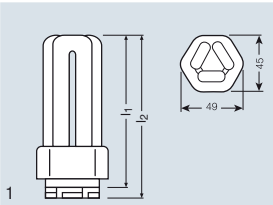
Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Luminous flux greater than 90% at ambient temperatures between +10°C and +70°C
- Improved maintenance
- Dimmable from 100% to 3%
- Short and compact pin-base lamps with triple-turn tubes
- Single-ended 4-pin plug-in GX24q base with shortened base casing
- Suitable for operation on electronic control gear

Applications
- Street and city lighting
- Industry
- Hot fixtures
- Locations with special thermal requirements

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® T/E HE HIGH EFFICIENCY



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Product reference	Product number	W	R_a	
DULUX T/E 11 W/830 HE	4008321**359452**	11	80…89	LUMILUX Warm White
DULUX T/E 11 W/840 HE	4008321**359476**	11	80…89	LUMILUX Cool White
DULUX T/E 14 W/830 HE	4008321**290496**	14	80…89	LUMILUX Warm White
DULUX T/E 14 W/840 HE	4008321**290519**	14	80…89	LUMILUX Cool White
DULUX T/E 17 W/830 HE	4008321**290533**	17	80…89	LUMILUX Warm White
DULUX T/E 17 W/840 HE	4008321**290557**	17	80…89	LUMILUX Cool White

Product reference		l max. [mm]	lm 35°C		No.
DULUX T/E 11 W/830 HE	GR14q-1	106	900	10	1
DULUX T/E 11 W/840 HE	GR14q-1	106	900	10	1
DULUX T/E 14 W/830 HE	GR14q-1	123	1200	10	1
DULUX T/E 14 W/840 HE	GR14q-1	123	1200	10	1
DULUX T/E 17 W/830 HE	GR14q-1	140	1500	10	1
DULUX T/E 17 W/840 HE	GR14q-1	140	1500	10	1

Compact, versatile and powerful – OSRAM DULUX® T/E HE lamps offer highly efficient and comfortable light for a very wide range of applications.

Product benefits
- Very economical and efficient
- Very good luminous flux
- Outstanding quality of light
- Long service life*

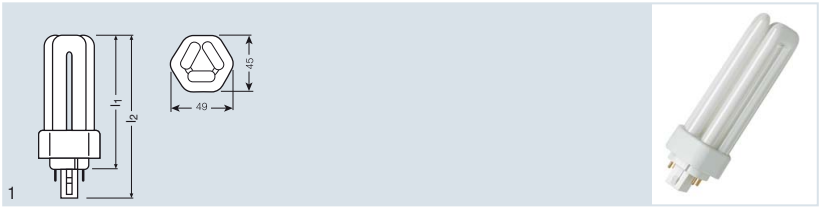
Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Impressive light output at an ambient temperature of 35°C
- Improved maintenance
- Dimmable from 100% to 3%, except D-T/E 11 W HE
- Short and compact pin-base lamps with triple-turn tubes
- GR14q-1 base system
- Suitable for operation on electronic control gear

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® T/E XT



Product reference	Product number	W	lm	R_a
DULUX T/E 32 W/830 XT	4008321**511911**	32	2400	80…89
DULUX T/E 32 W/840 XT	4008321**511935**	32	2400	80…89
DULUX T/E 42 W/830 XT 1)	4008321**511959**	42	3200	80…89
DULUX T/E 42 W/840 XT 1)	4008321**511973**	42	3200	80…89

Product reference			l max. [mm]		No.
DULUX T/E 32 W/830 XT	LUMILUX Warm White	GX24q-3	132	10	1
DULUX T/E 32 W/840 XT	LUMILUX Cool White	GX24q-3	132	10	1
DULUX T/E 42 W/830 XT 1)	LUMILUX Warm White	GX24q-4	153	10	1
DULUX T/E 42 W/840 XT 1)	LUMILUX Cool White	GX24q-4	153	10	1

1) Planned to be available from June 2012

OSRAM DULUX® XT lamps offer long life and outstanding reliability.

Product benefits
- Extremely economical
- Much lower total cost of ownership*
- Outstanding quality of light
- Very good luminous flux
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC® ECG

Product characteristics
- Long average life: up to 36,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Improved maintenance
- Dimmable from 100 % to 3 %
- Short and compact pin-base lamps with triple-turn tubes
- Single-ended 4-pin plug-in GX24q base with shortened base casing
- Suitable for operation on electronic control gear

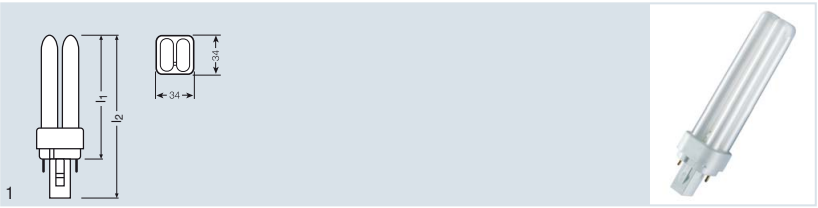
Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry
- Street and city lighting

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- *Total cost of ownership: comprising investment, maintenance and relamping costs

OSRAM DULUX® D



Product reference	Product number	W	lm	R_a
DULUX D 10 W/827	4050300**008110**	10	600	80…89
DULUX D 10 W/830	4050300**025681**	10	600	80…89
DULUX D 10 W/840	4050300**010595**	10	600	80…89
DULUX D 13 W/827	4050300**008127**	13	900	80…89
DULUX D 13 W/830	4050300**025698**	13	900	80…89
DULUX D 13 W/840	4050300**010625**	13	900	80…89
DULUX D 13 W/865	4050300**487106**	13	855	80…89
DULUX D 18 W/827 [1)]	4050300**011462**	18	1200	80…89
DULUX D 18 W/830 [1)]	4050300**025704**	18	1200	80…89
DULUX D 18 W/835 [1)]	4050300**028873**	18	1200	80…89
DULUX D 18 W/840 [1)]	4050300**012056**	18	1200	80…89
DULUX D 18 W/865 [1)]	4050300**487120**	18	1140	80…89
DULUX D 26 W/827	4050300**011912**	26	1800	80…89
DULUX D 26 W/830	4050300**025711**	26	1800	80…89
DULUX D 26 W/835	4050300**028897**	26	1800	80…89
DULUX D 26 W/840	4050300**012049**	26	1800	80…89
DULUX D 26 W/865	4050300**486987**	26	1710	80…89

Product reference			l_1 max. [mm]		No.
DULUX D 10 W/827	LUMILUX INTERNA	G24d-1	87	10	1
DULUX D 10 W/830	LUMILUX Warm White	G24d-1	87	10	1
DULUX D 10 W/840	LUMILUX Cool White	G24d-1	87	10	1
DULUX D 13 W/827	LUMILUX INTERNA	G24d-1	115	10	1
DULUX D 13 W/830	LUMILUX Warm White	G24d-1	115	10	1
DULUX D 13 W/840	LUMILUX Cool White	G24d-1	115	10	1
DULUX D 13 W/865	LUMILUX Cool Daylight	G24d-1	115	10	1
DULUX D 18 W/827 [1)]	LUMILUX INTERNA	G24d-2	130	10	1
DULUX D 18 W/830 [1)]	LUMILUX Warm White	G24d-2	130	10	1
DULUX D 18 W/835 [1)]	LUMILUX White	G24d-2	130	10	1
DULUX D 18 W/840 [1)]	LUMILUX Cool White	G24d-2	130	10	1
DULUX D 18 W/865 [1)]	LUMILUX Cool Daylight	G24d-2	130	10	1
DULUX D 26 W/827	LUMILUX INTERNA	G24d-3	149	10	1
DULUX D 26 W/830	LUMILUX Warm White	G24d-3	149	10	1
DULUX D 26 W/835	LUMILUX White	G24d-3	149	10	1
DULUX D 26 W/840	LUMILUX Cool White	G24d-3	149	10	1
DULUX D 26 W/865	LUMILUX Cool Daylight	G24d-3	149	10	1

1) Only for operation with 0.22 A control gear

OSRAM DULUX® D lamps are impressive for their compactness, performance and versatility in small traditional fixtures and downlights with small mounting depths (CCG operation).

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life*

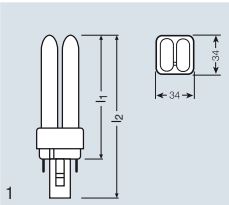
Product characteristics
- Average life: 10,000 hours
- Good color rendering index 1B (R_a 80-89)
- Good maintenance
- Short and compact pin-base lamps with double-turn tubes
- Single-ended two-pin plug-in G24d base
- Suitable for operation on conventional control gear

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® D/E



1

Product reference	Product number	W	lm	R_a
DULUX D/E 10 W/827	4050300**012124**	10	600	80…89
DULUX D/E 10 W/830	4050300**419435**	10	600	80…89
DULUX D/E 10 W/840	4050300**017587**	10	600	80…89
DULUX D/E 13 W/827	4050300**012131**	13	900	80…89
DULUX D/E 13 W/830	4050300**389059**	13	900	80…89
DULUX D/E 13 W/835	4050300**450957**	13	900	80…89
DULUX D/E 13 W/840	4050300**017594**	13	900	80…89
DULUX D/E 18 W/827	4050300**012148**	18	1200	80…89
DULUX D/E 18 W/830	4050300**327211**	18	1200	80…89
DULUX D/E 18 W/835	4050300**450971**	18	1200	80…89
DULUX D/E 18 W/840	4050300**017617**	18	1200	80…89
DULUX D/E 18 W/865	4050300**564944**	18	1140	80…89
DULUX D/E 26 W/827	4050300**012230**	26	1800	80…89
DULUX D/E 26 W/830	4050300**327235**	26	1800	80…89
DULUX D/E 26 W/835	4050300**450995**	26	1800	80…89
DULUX D/E 26 W/840	4050300**020303**	26	1800	80…89
DULUX D/E 26 W/865	4008321**185877**	26	1710	80…89

Product reference			l_1 max. [mm]		No.
DULUX D/E 10 W/827	LUMILUX INTERNA	G24q-1	87	10	1
DULUX D/E 10 W/830	LUMILUX Warm White	G24q-1	87	10	1
DULUX D/E 10 W/840	LUMILUX Cool White	G24q-1	87	10	1
DULUX D/E 13 W/827	LUMILUX INTERNA	G24q-1	115	10	1
DULUX D/E 13 W/830	LUMILUX Warm White	G24q-1	115	10	1
DULUX D/E 13 W/835	LUMILUX White	G24q-1	115	10	1
DULUX D/E 13 W/840	LUMILUX Cool White	G24q-1	115	10	1
DULUX D/E 18 W/827	LUMILUX INTERNA	G24q-2	130	10	1
DULUX D/E 18 W/830	LUMILUX Warm White	G24q-2	130	10	1
DULUX D/E 18 W/835	LUMILUX White	G24q-2	130	10	1
DULUX D/E 18 W/840	LUMILUX Cool White	G24q-2	130	10	1
DULUX D/E 18 W/865	LUMILUX Cool Daylight	G24q-2	130	10	1
DULUX D/E 26 W/827	LUMILUX INTERNA	G24q-3	149	10	1
DULUX D/E 26 W/830	LUMILUX Warm White	G24q-3	149	10	1
DULUX D/E 26 W/835	LUMILUX White	G24q-3	149	10	1
DULUX D/E 26 W/840	LUMILUX Cool White	G24q-3	149	10	1
DULUX D/E 26 W/865	LUMILUX Cool Daylight	G24q-3	149	10	1

OSRAM DULUX® D/E energy-saving compact fluorescent lamps produce high-quality light, making them ideal for creating a pleasant atmosphere indoors. Also suitable for emergency lighting systems.

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life*
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC® ECG

Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Improved maintenance
- Dimmable from 100 % to 3 %
- Short and compact pin-base lamps with double-turn tubes
- Single-ended four-pin plug-in G24q base
- Suitable for operation on electronic control gear
- Can be operated on battery, solar and AC power in conjunction with suitable ECGs

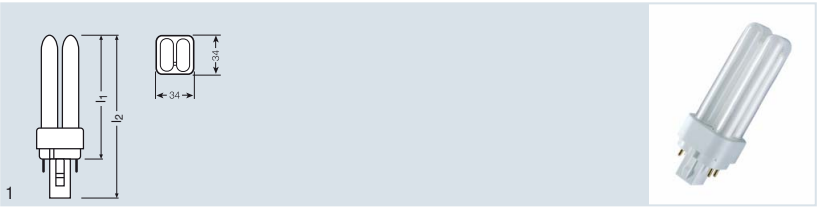
Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70 % of the system luminous flux is still available.

OSRAM DULUX® D/E XT



Product reference	Product number	W	lm	R_a
DULUX D/E 18 W/830 XT	4008321**507532**	18	1200	80…89
DULUX D/E 18 W/840 XT	4008321**507556**	18	1200	80…89
DULUX D/E 26 W/830 XT	4008321**508782**	26	1800	80…89
DULUX D/E 26 W/840 XT	4008321**508829**	26	1800	80…89

Product reference			l1 max. [mm]		No.
DULUX D/E 18 W/830 XT	LUMILUX Warm White	G24q-2	130	10	1
DULUX D/E 18 W/840 XT	LUMILUX Cool White	G24q-2	130	10	1
DULUX D/E 26 W/830 XT	LUMILUX Warm White	G24q-3	149	10	1
DULUX D/E 26 W/840 XT	LUMILUX Cool White	G24q-3	149	10	1

OSRAM DULUX® XT lamps offer long life and outstanding reliability.

Product benefits
- Very economical and efficient
- Much lower total cost of ownership*
- Excellent luminous flux
- Good quality of light
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC® ECG

Product characteristics
- Long average life: up to 36,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Improved maintenance
- Dimmable from 100 % to 3 %
- Short and compact pin-base lamps with double-turn tubes
- Single-ended four-pin plug-in G24q base
- Suitable for operation on electronic control gear
- Can be operated on battery, solar and AC power in conjunction with suitable ECGs

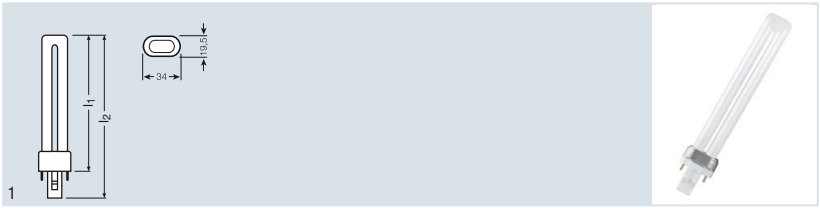
Applications
- Shops
- Supermarkets and department stores
- Public buildings
- Offices
- Hotels and restaurants
- Industry
- Street and city lighting

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- *Total cost of ownership: comprising investment, maintenance and relamping costs

OSRAM DULUX® S



Product reference	Product number	W	lm	R_a
DULUX S 5 W/827	4050300**006130**	5	250	80…89
DULUX S 5 W/840	4050300**010564**	5	250	80…89
DULUX S 7 W/827	4050300**005997**	7	400	80…89
DULUX S 7 W/830	4050300**025735**	7	400	80…89
DULUX S 7 W/840	4050300**010571**	7	400	80…89
DULUX S 9 W/827	4050300**006000**	9	600	80…89
DULUX S 9 W/830	4050300**025742**	9	600	80…89
DULUX S 9 W/835	4050300**451053**	9	600	80…89
DULUX S 9 W/840	4050300**010588**	9	600	80…89
DULUX S 9 W/865	4050300**355320**	9	570	80…89
DULUX S 11W/827	4050300**006017**	11	900	80…89
DULUX S 11 W/830	4050300**025759**	11	900	80…89
DULUX S 11 W/840	4050300**010618**	11	900	80…89
Colored				
DULUX S 9 W/60	4050300**015927**	9	400	-
DULUX S 9 W/66	4050300**015934**	9	800	-
DULUX S 9 W/67	4050300**015941**	9	200	-

Product reference			l max. [mm]		No.
DULUX S 5 W/827	LUMILUX INTERNA	G23	85	10	1
DULUX S 5 W/840	LUMILUX Cool White	G23	85	10	1
DULUX S 7 W/827	LUMILUX INTERNA	G23	114	10	1
DULUX S 7 W/830	LUMILUX Warm White	G23	114	10	1
DULUX S 7 W/840	LUMILUX Cool White	G23	114	10	1
DULUX S 9 W/827	LUMILUX INTERNA	G23	144	10	1
DULUX S 9 W/830	LUMILUX Warm White	G23	144	10	1
DULUX S 9 W/835	LUMILUX White	G23	144	50	1
DULUX S 9 W/840	LUMILUX Cool White	G23	144	10	1
DULUX S 9 W/865	LUMILUX Cool Daylight	G23	144	50	1
DULUX S 11W/827	LUMILUX INTERNA	G23	214	10	1
DULUX S 11 W/830	LUMILUX Warm White	G23	214	10	1
DULUX S 11 W/840	LUMILUX Cool White	G23	214	10	1
Colored					
DULUX S 9 W/60	Red	G23	144	10	1
DULUX S 9 W/66	Green	G23	144	10	1
DULUX S 9 W/67	Blue	G23	144	10	1

Compact slimline OSRAM DULUX® S lamps offer creative freedom and high-quality light.

Product benefits
- Extremely economical
- Good quality of light
- Ideal for cost-effective creative illumination and decoration
- Long service life*

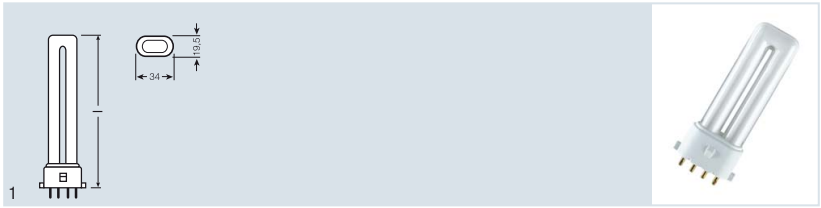
Product characteristics
- Average life: 10,000 hours
- Extremely low profile
- Good maintenance
- Also available in red/green/blue
- Short and compact pin-base lamps with single-turn tubes
- Single-ended two-pin plug-in G23 base
- Suitable for operation on conventional control gear

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® S/E



Product reference	Product number	W	lm	R_a
DULUX S/E 7 W/827	4050300**017648**	7	400	80…89
DULUX S/E 7 W/830	4050300**591988**	7	400	80…89
DULUX S/E 7 W/840	4050300**020167**	7	400	80…89
DULUX S/E 9 W/827	4050300**017655**	9	600	80…89
DULUX S/E 9 W/830	4050300**589398**	9	600	80…89
DULUX S/E 9 W/840	4050300**020174**	9	600	80…89
DULUX S/E 11 W/827	4050300**017662**	11	900	80…89
DULUX S/E 11 W/830	4050300**589374**	11	900	80…89
DULUX S/E 11 W/840	4050300**020181**	11	900	80…89

Product reference			l [mm]		No.
DULUX S/E 7 W/827	LUMILUX INTERNA	2G7	114	10	1
DULUX S/E 7 W/830	LUMILUX Warm White	2G7	114	10	1
DULUX S/E 7 W/840	LUMILUX Cool White	2G7	114	10	1
DULUX S/E 9 W/827	LUMILUX INTERNA	2G7	144	10	1
DULUX S/E 9 W/830	LUMILUX Warm White	2G7	144	10	1
DULUX S/E 9 W/840	LUMILUX Cool White	2G7	144	10	1
DULUX S/E 11 W/827	LUMILUX INTERNA	2G7	214	10	1
DULUX S/E 11 W/830	LUMILUX Warm White	2G7	214	10	1
DULUX S/E 11 W/840	LUMILUX Cool White	2G7	214	10	1

OSRAM DULUX® S/E compact fluorescent lamps are characterized by their slim design, making them extremely versatile for almost universal use.

Product benefits
- Extremely economical
- Outstanding quality of light
- Low power consumption (7 W, 9 W, 11 W)
- Long service life*

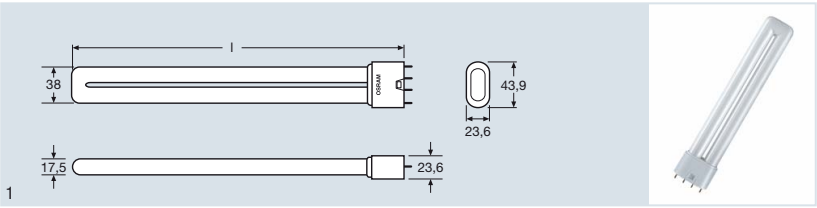
Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Extremely low profile
- Improved maintenance
- Dimmable from 100% to 3%
- Short and compact pin-base lamps with single-turn tubes
- Single-ended four-pin plug-in 2G7 base
- Suitable for operation on electronic control gear
- Can be operated on battery, solar and AC power in conjunction with suitable ECGs

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® L LUMILUX®



Product reference	Product number	W	lm	R_a
DULUX L 18 W/827 [1]	4050300**010748**	18	1200	80…89
DULUX L 18 W/830 [1]	4050300**010731**	18	1200	80…89
DULUX L 18 W/835 [1]	4050300**295893**	18	1200	80…89
DULUX L 18 W/840 [1]	4050300**010724**	18	1200	80…89
DULUX L 24 W/827 [1]	4050300**010779**	24	1800	80…89
DULUX L 24 W/830 [1]	4050300**010762**	24	1800	80…89
DULUX L 24 W/835 [1]	4050300**295916**	24	1800	80…89
DULUX L 24 W/840 [1]	4050300**010755**	24	1800	80…89
DULUX L 36 W/827 [1]	4050300**010809**	36	2900	80…89
DULUX L 36 W/830 [1]	4050300**010793**	36	2900	80…89
DULUX L 36 W/835 [1]	4050300**295930**	36	2900	80…89
DULUX L 36 W/840 [1]	4050300**010786**	36	2900	80…89
DULUX L 36 W/865 [1]	4050300**328263**	36	2750	80…89
DULUX L 36 W/880 [1]	4008321**185891**	36	2600	80…89
DULUX L 40 W/827 [2]	4050300**322285**	40	3500	80…89
DULUX L 40 W/830 [2]	4050300**298894**	40	3500	80…89
DULUX L 40 W/835 [2]	4050300**295954**	40	3500	80…89
DULUX L 40 W/840 [2]	4050300**279909**	40	3500	80…89
DULUX L 40 W/865 [2]	4050300**592008**	40	3325	80…89
DULUX L 40 W/880 [2]	4008321**185914**	40	3150	80…89
DULUX L 55 W/827 [2]	4050300**315881**	55	4800	80…89
DULUX L 55 W/830 [2]	4050300**298917**	55	4800	80…89
DULUX L 55 W/835 [2]	4050300**295978**	55	4800	80…89
DULUX L 55 W/840 [2]	4050300**295879**	55	4800	80…89
DULUX L 55 W/865 [2]	4050300**553900**	55	4550	80…89
DULUX L 55 W/880 [2]	4008321**185938**	55	4300	80…89
DULUX L 80 W/830 [2]	4050300**665467**	80	6500	80…89
DULUX L 80 W/840 [2]	4050300**665481**	80	6500	80…89
DULUX L 80 W/880 [2]	4008321**185952**	80	5850	80…89
Colored				
DULUX L 24 W/67	4050300**354033**	24	550	–

Product reference			l [mm]		No.
DULUX L 18 W/827 [1]	LUMILUX INTERNA	2G11	217	10	1
DULUX L 18 W/830 [1]	LUMILUX Warm White	2G11	217	10	1
DULUX L 18 W/835 [1]	LUMILUX White	2G11	217	10	1
DULUX L 18 W/840 [1]	LUMILUX Cool White	2G11	217	10	1
DULUX L 24 W/827 [1]	LUMILUX INTERNA	2G11	317	10	1
DULUX L 24 W/830 [1]	LUMILUX Warm White	2G11	317	10	1
DULUX L 24 W/835 [1]	LUMILUX White	2G11	317	10	1
DULUX L 24 W/840 [1]	LUMILUX Cool White	2G11	317	10	1
DULUX L 36 W/827 [1]	LUMILUX INTERNA	2G11	411	10	1
DULUX L 36 W/830 [1]	LUMILUX Warm White	2G11	411	10	1
DULUX L 36 W/835 [1]	LUMILUX White	2G11	411	10	1
DULUX L 36 W/840 [1]	LUMILUX Cool White	2G11	411	10	1
DULUX L 36 W/865 [1]	LUMILUX Cool Daylight	2G11	411	10	1
DULUX L 36 W/880 [1]	LUMILUX SKYWHITE	2G11	411	10	1

Product reference			l [mm]		No.
DULUX L 40 W/827 [2]	LUMILUX INTERNA	2G11	533	10	1
DULUX L 40 W/830 [2]	LUMILUX Warm White	2G11	533	10	1
DULUX L 40 W/835 [2]	LUMILUX White	2G11	533	10	1
DULUX L 40 W/840 [2]	LUMILUX Cool White	2G11	533	10	1
DULUX L 40 W/865 [2]	LUMILUX Cool Daylight	2G11	533	10	1
DULUX L 40 W/880 [2]	LUMILUX SKYWHITE	2G11	533	10	1
DULUX L 55 W/827 [2]	LUMILUX INTERNA	2G11	533	10	1
DULUX L 55 W/830 [2]	LUMILUX Warm White	2G11	533	10	1
DULUX L 55 W/835 [2]	LUMILUX White	2G11	533	10	1
DULUX L 55 W/840 [2]	LUMILUX Cool White	2G11	533	10	1
DULUX L 55 W/865 [2]	LUMILUX Cool Daylight	2G11	533	10	1
DULUX L 55 W/880 [2]	LUMILUX SKYWHITE	2G11	533	10	1
DULUX L 80 W/830 [2]	LUMILUX Warm White	2G11	565	10	1
DULUX L 80 W/840 [2]	LUMILUX Cool White	2G11	565	10	1
DULUX L 80 W/880 [2]	LUMILUX SKYWHITE	2G11	565	10	1
Colored					
DULUX L 24 W/67 [1]	Blue	2G11	317	10	1

1) ECG and CCG operation
2) ECG operation

OSRAM DULUX® L compact fluorescent lamps together with appropriate OSRAM QUICKTRONIC® control gear provide the basis for individual energy-saving lighting solutions.

Product benefits
- Extremely economical
- Excellent luminous efficacy
- Excellent luminous flux
- Long service life*
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC® ECG

Product characteristics
- Less than half as long as a tubular fluorescent lamp
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Improved maintenance
- Dimmable (from 100 to 1% with QUICKTRONIC® QTi DALI/DIM)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended 4-pin plug-in 2G11 base
- Suitable for operation on electronic and conventional control gear, see footnotes 1), 2)
- Operation with standard starters
- Also available in blue

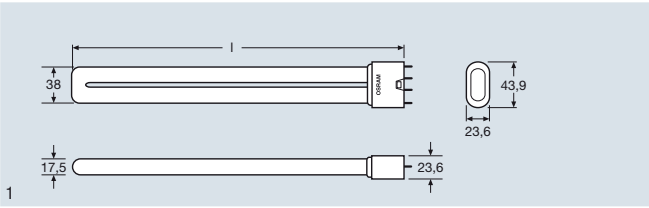
Applications
- Floor-standing lights
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® L CONSTANT



Product reference	Product number	W	lm	R_a
DULUX L 40 W/840 CONSTANT	4008321**104823**	40	3500	80…89
DULUX L 55 W/840 CONSTANT	4008321**104847**	55	4800	80…89
DULUX L 80 W/840 CONSTANT	4008321**104861**	80	6500	80…89

Product reference			l [mm]		No.
DULUX L 40 W/840 CONSTANT	LUMILUX Cool White	2G11	533	10	1
DULUX L 55 W/840 CONSTANT	LUMILUX Cool White	2G11	533	10	1
DULUX L 80 W/840 CONSTANT	LUMILUX Cool White	2G11	565	10	1

OSRAM LUMILUX® CONSTANT lamps offer constant high luminous flux over a wide range of temperatures.

Product benefits
- Extremely economical
- Excellent luminous flux at high and low ambient temperatures
- Good quality of light
- Long service life*

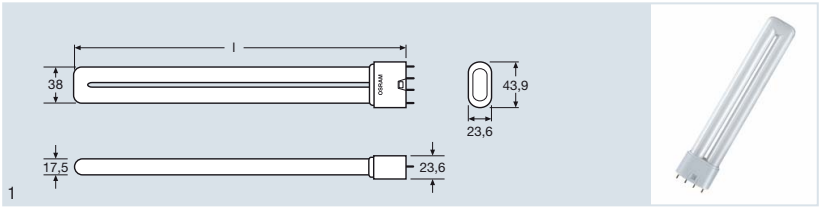
Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Luminous flux greater than 90% at ambient temperatures between +5 °C and +70 °C
- Improved maintenance
- Dimmable (from 100 to 1% with QUICKTRONIC® QTi DALI/DIM)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended four-pin plug-in 2G11 base
- Suitable for operation on electronic control gear
- Narrow fixtures with high temperatures

Applications
- Floor-standing lights
- Street and city lighting
- Industry
- Applications with special thermal requirements

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® L LUMILUX® DE LUXE



Product reference	Product number	W	lm	R_a
DULUX L 18 W/930 [1]	4050300**018324**	18	950	≥ 90
DULUX L 18 W/940 [1]	4050300**018560**	18	950	≥ 90
DULUX L 18 W/954 [1]	4050300**018423**	18	950	≥ 90
DULUX L 24 W/930 [1]	4050300**018386**	24	1500	≥ 90
DULUX L 24 W/940 [1]	4050300**018584**	24	1500	≥ 90
DULUX L 24 W/954 [1]	4050300**018447**	24	1500	≥ 90
DULUX L 36 W/930 [1]	4050300**018393**	36	2350	≥ 90
DULUX L 36 W/940 [1]	4050300**018607**	36	2350	≥ 90
DULUX L 36 W/954 [1]	4050300**018461**	36	2350	≥ 90
DULUX L 40 W/954 [2]	4050300**315799**	40	2950	≥ 90
DULUX L 55 W/930 [2]	4050300**370705**	55	4000	≥ 90
DULUX L 55 W/940 [2]	4050300**197999**	55	4000	≥ 90
DULUX L 55 W/954 [2]	4050300**321400**	55	4000	≥ 90

Product reference			l [mm]		No.
DULUX L 18 W/930 [1]	LUMILUX DE LUXE Warm White	2G11	217	10	1
DULUX L 18 W/940 [1]	LUMILUX DE LUXE Cool White	2G11	217	10	1
DULUX L 18 W/954 [1]	LUMILUX DE LUXE Daylight	2G11	217	10	1
DULUX L 24 W/930 [1]	LUMILUX DE LUXE Warm White	2G11	317	10	1
DULUX L 24 W/940 [1]	LUMILUX DE LUXE Cool White	2G11	317	10	1
DULUX L 24 W/954 [1]	LUMILUX DE LUXE Daylight	2G11	317	10	1
DULUX L 36 W/930 [1]	LUMILUX DE LUXE Warm White	2G11	411	10	1
DULUX L 36 W/940 [1]	LUMILUX DE LUXE Cool White	2G11	411	10	1
DULUX L 36 W/954 [1]	LUMILUX DE LUXE Daylight	2G11	411	10	1
DULUX L 40 W/954 [2]	LUMILUX DE LUXE Daylight	2G11	533	10	1
DULUX L 55 W/930 [2]	LUMILUX DE LUXE Warm White	2G11	533	10	1
DULUX L 55 W/940 [2]	LUMILUX DE LUXE Cool White	2G11	533	10	1
DULUX L 55 W/954 [2]	LUMILUX DE LUXE Daylight	2G11	533	10	1

1) ECG and CCG operation
2) ECG operation

OSRAM LUMILUX® DE LUXE lamps meet high demands in terms of color rendering.

Product benefits
- Very economical and efficient
- Excellent luminous efficacy
- Good quality of light
- Long service life*

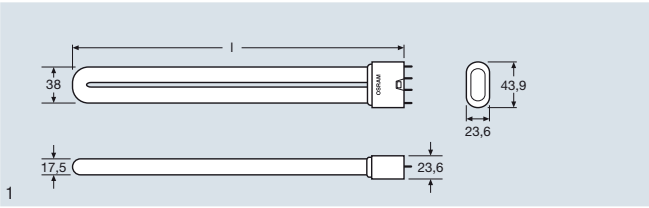
Product characteristics
- Very good color rendering index 1A (R_a ≥90)
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Improved maintenance
- Dimmable (from 100 to 1% with QUICKTRONIC® QTi DALI/DIM)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended 4-pin plug-in 2G11 base
- Suitable for operation on electronic and conventional control gear, see footnotes 1), 2)

Applications
- Shops
- Supermarkets and department stores
- Public buildings
- Offices
- Industry
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® L SP



Product reference	Product number	W	lm	R_a
DULUX L 18 W/830 SP	4050300**300276**	18	1200 1)	80…89
DULUX L 18 W/840 SP	4008321**280497**	18	1200 1)	80…89
DULUX L 24 W/830 SP	4050300**300238**	24	1800 1)	80…89
DULUX L 24 W/840 SP	4008321**280510**	24	1800 1)	80…89
DULUX L 36 W/830 SP	4008321**283757**	36	2900 1)	80…89
DULUX L 36 W/840 SP	4008321**283771**	36	2900 1)	80…89

Product reference			l [mm]		No.
DULUX L 18 W/830 SP	LUMILUX Warm White	2G11	209	10	1
DULUX L 18 W/840 SP	LUMILUX Cool White	2G11	209	10	1
DULUX L 24 W/830 SP	LUMILUX Warm White	2G11	309	10	1
DULUX L 24 W/840 SP	LUMILUX Cool White	2G11	309	10	1
DULUX L 36 W/830 SP	LUMILUX Warm White	2G11	403	10	1
DULUX L 36 W/840 SP	LUMILUX Cool White	2G11	403	10	1

1) At an ambient temperature of 5 °C

OSRAM DULUX® L SP lamps in conjunction with the appropriate OSRAM QUICKTRONIC® ECGs are ideal for low ambient temperatures thanks to their robust construction.

Product benefits
- Extremely economical
- Excellent luminous flux at low ambient temperatures
- Good quality of light
- Long service life*

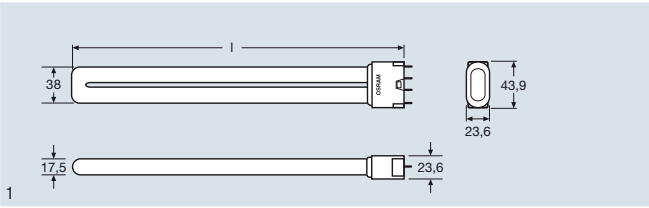
Product characteristics
- Good color rendering index 1B (R_a 80-89)
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Optimum luminous flux at low ambient temperatures (+5 °C)
- Dimmable (from 100 to 1% with QUICKTRONIC® QTi DALI/DIM)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended 4-pin plug-in 2G11 base
- Suitable for operation on electronic and conventional control gear

Applications
- Street and city lighting
- Industry
- Applications with low ambient temperatures

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® L HE HIGH EFFICIENCY



Product reference	Product number	W	
DULUX L 16 W/830 HE	4008321**507792**	16	LUMILUX Warm White
DULUX L 16 W/840 HE	4008321**507815**	16	LUMILUX Cool White
DULUX L 22 W/830 HE	4008321**507839**	22	LUMILUX Warm White
DULUX L 22 W/840 HE	4008321**508638**	22	LUMILUX Cool White
DULUX L 26 W/830 HE	4008321**508584**	26	LUMILUX Warm White
DULUX L 26 W/840 HE	4008321**508713**	26	LUMILUX Cool White
DULUX L 28 W/830 HE	4008321**296719**	28	LUMILUX Warm White
DULUX L 28 W/840 HE	4008321**296757**	28	LUMILUX Cool White

Product reference		l [mm]	lm 25°C	lm 35°C		No.
DULUX L 16 W/830 HE	2GX11	317	1500	1600	10	1
DULUX L 16 W/840 HE	2GX11	317	1500	1600	10	1
DULUX L 22 W/830 HE	2GX11	411	2055	2200	10	1
DULUX L 22 W/840 HE	2GX11	411	2055	2200	10	1
DULUX L 26 W/830 HE	2GX11	533	2470	2600	10	1
DULUX L 26 W/840 HE	2GX11	533	2470	2600	10	1
DULUX L 28 W/830 HE	2GX11	566	2700	2800	10	1
DULUX L 28 W/840 HE	2GX11	566	2700	2800	10	1

OSRAM DULUX® L HE, the first compact fluorescent lamp with 100 lm/W, is highly efficient in combination with the appropriate OSRAM QUICKTRONIC® ECG and makes a significant contribution to the design of energy-saving lighting systems and solutions.

Product benefits
- Very economical and efficient (100 lm/W)
- Excellent luminous efficacy
- Good quality of light
- Long service life*
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC®

Product characteristics
- Improved average life: up to 20,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Impressive luminous efficacy at an ambient temperature of 35°C
- Improved maintenance
- Dimmable (from 100 to 1% with QUICKTRONIC® QTi DALI/DIM)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended 4-pin plug-in 2GX11 base
- Suitable for operation on electronic control gear

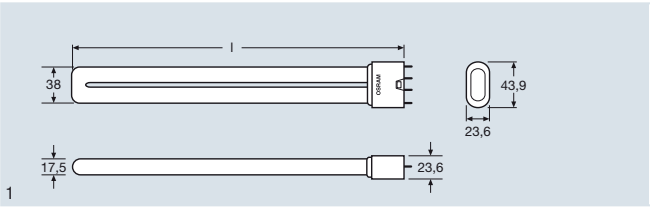
Applications
- Floor-standing lights
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM DULUX® L XT



Product reference	Product number	W	lm	R_a
DULUX L 18 W/830 XT [1]	4008321**507570**	18	1200	80…89
DULUX L 18 W/840 XT [1]	4008321**507594**	18	1200	80…89
DULUX L 24 W/830 XT [1]	4008321**507617**	24	1800	80…89
DULUX L 24 W/840 XT [1]	4008321**507631**	24	1800	80…89
DULUX L 36 W/830 XT [1]	4008321**507655**	36	2900	80…89
DULUX L 36 W/840 XT [1]	4008321**507679**	36	2900	80…89
DULUX L 55 W/830 XT [2]	4008321**507693**	55	4800	80…89
DULUX L 55 W/840 XT [2]	4008321**507716**	55	4800	80…89

Product reference			l [mm]		No.
DULUX L 18 W/830 XT [1]	LUMILUX Warm White	2G11	217	10	1
DULUX L 18 W/840 XT [1]	LUMILUX Cool White	2G11	217	10	1
DULUX L 24 W/830 XT [1]	LUMILUX Warm White	2G11	317	10	1
DULUX L 24 W/840 XT [1]	LUMILUX Cool White	2G11	317	10	1
DULUX L 36 W/830 XT [1]	LUMILUX Warm White	2G11	411	10	1
DULUX L 36 W/840 XT [1]	LUMILUX Cool White	2G11	411	10	1
DULUX L 55 W/830 XT [2]	LUMILUX Warm White	2G11	533	10	1
DULUX L 55 W/840 XT [2]	LUMILUX Cool White	2G11	533	10	1

1) ECG and CCG operation
2) ECG operation

OSRAM DULUX® L XT lamps offer long life and outstanding reliability.

Product benefits
- Extremely economical
- Much lower total cost of ownership*
- Excellent luminous flux
- Good quality of light
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC®

Product characteristics
- Long average life: up to 36,000 h (with QUICKTRONIC®)
- Good color rendering index 1B (R_a 80-89)
- Improved maintenance
- Dimmable (from 100 to 1% with QUICKTRONIC® QTi DALI/DIM)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended 4-pin plug-in 2G11 base
- Suitable for operation on electronic and conventional control gear, see footnotes 1), 2)

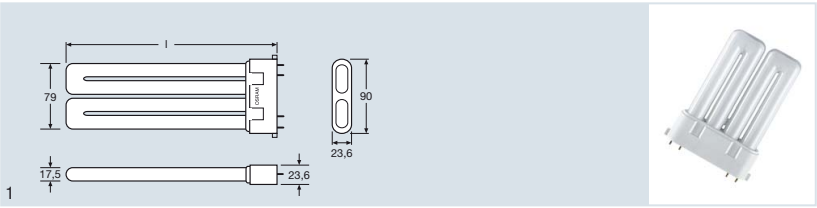
Applications
- Street and city lighting
- Floor-standing lights
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

System guarantee
For more information on the system guarantee and the terms and conditions of the guarantee go to www.osram.com/system-guarantee

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- *Total cost of ownership: comprising investment, maintenance and relamping costs

OSRAM DULUX® F



Product reference	Product number	W	lm	R_a
DULUX F 18 W/827	4050300**333564**	18	1100	80…89
DULUX F 18 W/830	4050300**333540**	18	1100	80…89
DULUX F 18 W/840	4050300**333526**	18	1100	80…89
DULUX F 24 W/827	4050300**333625**	24	1700	80…89
DULUX F 24 W/830	4050300**333601**	24	1700	80…89
DULUX F 24 W/840	4050300**333588**	24	1700	80…89
DULUX F 36 W/827	4050300**312187**	36	2800	80…89
DULUX F 36 W/830	4050300**299051**	36	2800	80…89
DULUX F 36 W/840	4050300**299037**	36	2800	80…89

Product reference			l [mm]		No.
DULUX F 18 W/827	LUMILUX INTERNA	2G10	122	10	1
DULUX F 18 W/830	LUMILUX Warm White	2G10	122	10	1
DULUX F 18 W/840	LUMILUX Cool White	2G10	122	10	1
DULUX F 24 W/827	LUMILUX INTERNA	2G10	165	10	1
DULUX F 24 W/830	LUMILUX Warm White	2G10	165	10	1
DULUX F 24 W/840	LUMILUX Cool White	2G10	165	10	1
DULUX F 36 W/827	LUMILUX INTERNA	2G10	217	10	1
DULUX F 36 W/830	LUMILUX Warm White	2G10	217	10	1
DULUX F 36 W/840	LUMILUX Cool White	2G10	217	10	1

OSRAM DULUX® F compact fluorescent lamps together with appropriate OSRAM QUICKTRONIC® control gear provide optimum area lighting and energy-saving solutions.

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous efficacy
- Long service life*
- Good maintenance

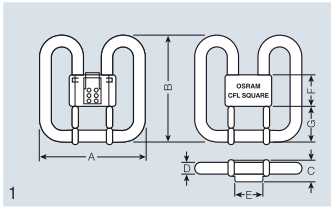
Product characteristics
- Extremely low profile
- Average life: 10,000 hours
- Good color rendering index 1B (R_a 80-89)
- Short and compact pin-base lamps with double-turn tubes
- Single-ended four-pin plug-in 2G10 base
- Suitable for operation on electronic and conventional control gear

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM CFL SQUARE® 2-Pin



1 For details of the geometry see "CFLni Technical Guide"

Product reference	Product number	W	lm
OSRAM CFL SQUARE® 2-pin for CCGs			
CFL SQUARE 16 W/827 2-PIN	4050300**816852**	16	1050
CFL SQUARE 16 W/835 2-PIN	4050300**816838**	16	1050
CFL SQUARE 28 W/827 2-PIN	4050300**816913**	28	2050
CFL SQUARE 28 W/835 2-PIN	4050300**816937**	28	2050

Product reference	Ra				No.
OSRAM CFL SQUARE® 2-pin for CCGs					
CFL SQUARE 16 W/827 2-PIN	80…89	LUMILUX INTERNA	GR8	20	1
CFL SQUARE 16 W/835 2-PIN	80…89	LUMILUX White	GR8	20	1
CFL SQUARE 28 W/827 2-PIN	80…89	LUMILUX INTERNA	GR8	20	1
CFL SQUARE 28 W/835 2-PIN	80…89	LUMILUX White	GR8	20	1

OSRAM CFL SQUARE® lamps are slim compact fluorescent lamps. The square shape provides uniform distribution of light, with no shadows at either end and no dark patches. The lamps are ideal for low-profile wall and ceiling fixtures.

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous efficacy
- Long service life*
- Good maintenance

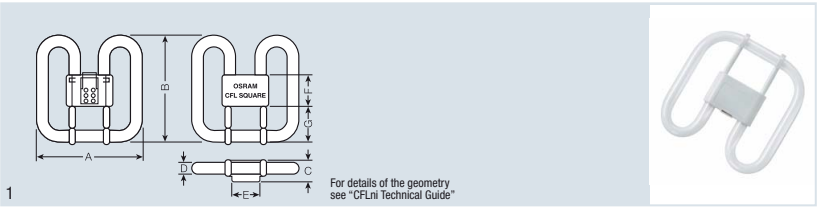
Product characteristics
- Extremely low profile
- Average life: 10,000 hours
- Good color rendering index 1B (R_a 80-89)
- Short and compact pin-base lamps
- Single-ended two-pin plug-in GR8 base
- Suitable for operation on conventional control gear

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM CFL SQUARE® 4-Pin



1 For details of the geometry see "CFLni Technical Guide"

Product reference	Product number	W	lm
OSRAM CFL SQUARE® 4-pin			
CFL SQUARE 16 W/835 4-PIN	4050300**816876**	16	1050
CFL SQUARE 16 W/827 4-PIN	4050300**816890**	16	1050
CFL SQUARE 28 W/827 4-PIN	4050300**816951**	28	2050
CFL SQUARE 28 W/835 4-PIN	4050300**816982**	28	2050
CFL SQUARE 38 W/827 4-PIN	4050300**817002**	38	2700
CFL SQUARE 38 W/835 4-PIN	4050300**817026**	38	2700

Product reference	R_a				No.
OSRAM CFL SQUARE® 4-pin					
CFL SQUARE 16 W/835 4-PIN	80…89	LUMILUX White	GR10q	20	1
CFL SQUARE 16 W/827 4-PIN	80…89	LUMILUX INTERNA	GR10q	20	1
CFL SQUARE 28 W/827 4-PIN	80…89	LUMILUX INTERNA	GR10q	20	1
CFL SQUARE 28 W/835 4-PIN	80…89	LUMILUX White	GR10q	20	1
CFL SQUARE 38 W/827 4-PIN	80…89	LUMILUX INTERNA	GR10q	20	1
CFL SQUARE 38 W/835 4-PIN	80…89	LUMILUX White	GR10q	20	1

OSRAM CFL SQUARE® lamps are slim compact fluorescent lamps. The square shape provides uniform distribution of light, with no shadows at either end and no dark patches. With the appropriate OSRAM QUICKTRONIC® ECGs they are ideal for low-profile wall and ceiling fixtures.

Product benefits
- Extremely economical
- Good quality of light
- Excellent luminous efficacy
- Long service life*
- Good maintenance

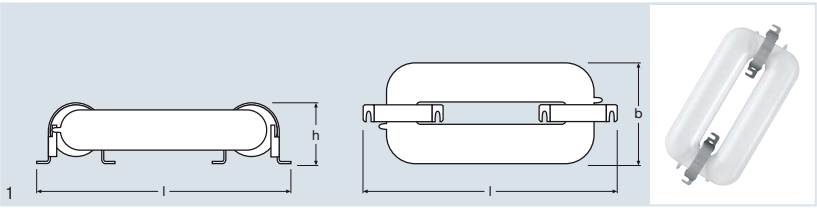
Product characteristics
- Extremely low profile
- Average life: 10,000 hours
- Good color rendering index 1B (R_a 80-89)
- Short and compact pin-base lamps
- Single-ended four-pin plug-in GR10q base
- Suitable for operation on electronic and conventional control gear

Applications
- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Hotels and restaurants
- Industry

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70% of the system luminous flux is still available.

OSRAM ENDURA® The electrodeless fluorescent lamp



Product reference	Product number	W	lm	R_a
ENDURA 70 W/830 2-pole [1]	4050300**817293**	70	6500 [2]	≥ 80
ENDURA 70 W/840 2-pole [1]	4050300**817286**	70	6500 [2]	≥ 80
ENDURA 100 W/830 2-pole [1]	4050300**668420**	100	8000 [2]	≥ 80
ENDURA 100 W/840 2-pole [1]	4050300**668437**	100	8000 [2]	≥ 80
ENDURA 100 W/840 Reflector [1]	4008321**368034**	100	8000 [2]	≥ 80
ENDURA 150 W/830 2-pole [1]	4050300**668444**	150	12000 [3]	≥ 80
ENDURA 150 W/840 2-pole [1]	4050300**668451**	150	12000 [3]	≥ 80

Product reference		l [mm]	h [mm]	b [mm]		No.
ENDURA 70 W/830 2-pole [1]	LUMILUX Warm White	315	75	139	1	1
ENDURA 70 W/840 2-pole [1]	LUMILUX Cool White	315	75	139	1	1
ENDURA 100 W/830 2-pole [1]	LUMILUX Warm White	315	75	139	1	1
ENDURA 100 W/840 2-pole [1]	LUMILUX Cool White	315	75	139	1	1
ENDURA 100 W/840 Reflector [1]	LUMILUX Cool White	315	75	139	1	1
ENDURA 150 W/830 2-pole [1]	LUMILUX Warm White	415	75	139	1	1
ENDURA 150 W/840 2-pole [1]	LUMILUX Cool White	415	75	139	1	1

1) With 2-pin connector
2) With QT ENDURA 70-100/120-240 S
3) With QT ENDURA 100-150/120-240 S

The discharge in this lamp has no starting point and no end. The closed “ring” enables a discharge to take place without electrodes. In the OSRAM ENDURA® lamps the energy is “injected” from the outside by magnetic fields, which leads to a long life.

Product benefits
- Extremely economical
- Excellent luminous flux at high and low ambient temperatures
- Small loss of luminous flux
- Instant flickerfree starting
- Long service life*
- Energy savings

Product characteristics
- Extremely long average life: up to 60,000 h (with QUICKTRONIC® Endura)
- High system luminous efficacy: 80 lm/W
- Good color rendering index R_a ≥80
- Optimum luminous flux over a wide temperature range
- Suitable for operation on QUICKTRONIC® Endura
- Can be used in DC systems
- Low ignition temperature, as low as -40 °C
- Low operating frequency of 250 kHz

Applications
- Street and city lighting
- Industry
- Sports halls and outdoor facilities
- Marine lighting

Safety information
In the event of a breakage: www.osram.com/brokenlamps

References
- For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC and Chapter 9.
- * Service life is defined as the time when 70 % of the system luminous flux is still available.

Technical data

Lamp OSRAM DULUX® Wattage	Lamp voltage at 50/60 Hz V	 at HF mode V	Lamp current at 50/60 Hz mA	 at HF mode mA	System wattage ECG mode* W	Lumi- nance cd/cm² LF 827, 830, 840	PF correction Parallel capac- itor [1] CCG mode 230V/50Hz µF	 Series capac- itor [2] CCG mode µF
CFL SQUARE 16	103	84	195	180	–	–	–	–
CFL SQUARE 28	108	95	320	260	–	–	–	–
CFL SQUARE 38	110	97	430	355	–	–	–	–
DULUX S 5	35	–	180	–	–	2.5	2.2	–
DULUX S 7	47	–	175	–	–	2.6	2.1	–
DULUX S 9	60	–	170	–	–	2.8	2.0	–
DULUX S 11	91	–	155	–	–	2.7	1.7	–
DULUX D 10	64	–	190	–	–	4.0	2.2	–
DULUX D 13	91	–	175	–	–	4.0	1.8	–
DULUX D 18	100	–	220	–	–	4.5	2.2	1.7
DULUX D 26	105	–	325	–	–	5.5	3.2	2.5
DULUX T 13	91	–	175	–	–	4.2	1.8	1.4
DULUX T 18	100	–	225	–	–	4.7	2.3	1.7
DULUX T 26	105	–	325	–	–	6.0	3.3	2.5
DULUX S/E 7	–	37	–	175	9	2.6	–	–
DULUX S/E 9	–	48	–	170	12	2.8	–	–
DULUX S/E 11	–	75	–	150	14	2.7	–	–
DULUX D/E 10	–	51	–	190	12	4.0	–	–
DULUX D/E 13	–	77	–	165	14	4.0	–	–
DULUX D/E 18 [3]	–	80	–	210	20	4.5	–	–
DULUX D/E 26 [3]	–	80	–	300	28	5.5	–	–
DULUX T/E 13	–	77	–	165	14	4.2	–	–
DULUX T/E 18	–	80	–	210	20	4.7	–	–
DULUX T/E 26 [4]	–	80	–	300	28	6.0	–	–
DULUX T/E 32 [3][4]	–	100	–	320	35	6.5	–	–
DULUX T/E 42 [3][4]	–	135	–	320	46	7.0	–	–
DULUX T/E HE 11 W	–	80	–	150	13.5	2.9	–	–
DULUX T/E HE 14 W	–	100	–	150	17.1	2.9	–	–
DULUX T/E HE 17 W	–	120	–	150	18.8	2.9	–	–
DULUX L 18 [3][5]	58	50	375	320	19	2.1	4.2	2.7
DULUX L 24 [3][5]	87	75	345	300	27	2.1	3.6	2.7
DULUX L 36 [3][5]	106	90	435	360	39	2.8	4.4	3.4
DULUX L 40 [4]	–	126	–	320	45	2.3	–	–
DULUX L 55 [3][4]	–	101	–	550	61	3.2	–	–
DULUX L 80 [4]	–	145	–	555	86	3.7	–	–
DULUX L DE LUXE 18 [3][5]	58	50	375	320	19	1.7	4.2	2.7
DULUX L DE LUXE 24 [3][5]	87	75	345	300	27	1.8	3.6	2.7
DULUX L DE LUXE 36 [3][5]	106	90	435	360	39	2.3	4.4	3.4
DULUX L DE LUXE 40 [4]	–	126	–	320	45	1.9	–	–
DULUX L DE LUXE 55 [3][4]	–	101	–	550	61	2.7	–	–
DULUX L HE 16 W	–	94	–	170	18	u.c.	–	–
DULUX L HE 22 W	–	125	–	170	25	u.c.	–	–
DULUX L HE 26 W	–	157	–	170	30	u.c.	–	–
DULUX L HE 28 W	–	147	–	190	31	1.9	–	–
DULUX F 18	58	50	375	320	19	2.4	4.2	2.7
DULUX F 24	87	75	345	300	27	2.5	3.6	2.7
DULUX F 36	106	90	435	360	39	3.0	4.4	3.4

* ECG also available in two-lamp version
For QUICKTRONIC® electronic control gear see Section 9
For detailed technical information see the "Technical Guides"

1) Design for cos phi=0.95, dielectric strength of the capacitors 250 Vac, capacitance tolerance ±10 %
2) To maintain the specified operating and preheating values, close-tolerance capacitors (± 2 %) and series reactors (± 1.5 %) are required for series compensation. Check the product ranges of leading manufacturers ! Dielectric strength of the capacitors 450 V AC
3) Also applies to the XT version
4) Also applies to the CONSTANT version
5) Also applies to the SP version at +5 °C
For more system information see Section 9 (ECGs)

Technical data

Lamp Wattage	Base	l max. [mm]	IEC l max. [mm]	l1 max. [mm]	l2 max. [mm]	IEC l1 max. [mm]	No.
	Base	Length l max.	Length to IEC l max.	Length l1 max.	Length l2 max.	Length to IEC l1 max.	Fig. no.
DULUX S 5	G23	–	–	85	108	85	1
DULUX S 7	G23	–	–	114	137	115	1
DULUX S 9	G23	–	–	144	167	145	1
DULUX S 11	G23	–	–	214	237	215	1
DULUX S/E 7	2G7	114	115	–	–	–	2
DULUX S/E 9	2G7	144	145	–	–	–	2
DULUX S/E 11	2G7	214	215	–	–	–	2
DULUX D 10	G24d-1	–	–	87	110	95	3
DULUX D 13	G24d-1	–	–	115	138	130	3
DULUX D 18	G24d-2	–	–	130	153	140	3
DULUX D 26	G24d-3	–	–	149	172	160	3
DULUX D/E 10	G24q-1	–	–	87	103	95	3
DULUX D/E 13	G24q-1	–	–	115	131	130	3
DULUX D/E 18[1]	G24q-2	–	–	130	146	140	3
DULUX D/E 26[1]	G24q-3	–	–	149	165	160	3
DULUX T PLUS 13	GX24d-1	–	–	90	113	90	4
DULUX T PLUS 18	GX24d-2	–	–	101	124	110	4
DULUX T PLUS 26	GX24d-3	–	–	116	139	130	4
DULUX T/E PLUS 13	GX24q-1	–	–	90	106	90	4
DULUX T/E PLUS 18	GX24q-2	–	–	101	117	110	4
DULUX T/E PLUS 26	GX24q-3	–	–	116	132	130	4
DULUX T/E PLUS 32[2]	GX24q-3	–	–	132	148	145	4
DULUX T/E PLUS 42[2]	GX24q-4	–	–	153	169	155	4
DULUX T/E CONSTANT 26	GX24q-3	–	–	112	128	130	4
DULUX T/E CONSTANT 32	GX24q-3	–	–	128	144	145	4
DULUX T/E CONSTANT 42	GX24q-4	–	–	149	165	155	4
DULUX T/E HE 11	GR14q-1	–	–	106	112	120	5
DULUX T/E HE 14	GR14q-1	–	–	123	129	140	5
DULUX T/E HE 17	GR14q-1	–	–	140	146	150	5
DULUX L 18[1]	2G11	217	225	–	–	–	6
DULUX L 24[1]	2G11	317	320	–	–	–	6
DULUX L 36[1]	2G11	411	415	–	–	–	6
DULUX L 40[3]	2G11	533	535	–	–	–	6
DULUX L 55[1][3]	2G11	533	535	–	–	–	6
DULUX L 80[3]	2G11	565	565	–	–	–	6
DULUX L SP 18	2G11	209	225	–	–	–	6
DULUX L SP 24	2G11	309	320	–	–	–	6
DULUX L SP 36	2G11	403	415	–	–	–	6
DULUX L HE 16	2GX11	317	u.c.	–	–	–	6
DULUX L HE 22	2GX11	411	u.c.	–	–	–	6
DULUX L HE 26	2GX11	533	u.c.	–	–	–	6
DULUX L HE 28	2GX11	565	565	–	–	–	6
DULUX F 18	2G10	122	122	–	–	–	7
DULUX F 24	2G10	165	165	–	–	–	7
DULUX F 36	2G10	217	217	–	–	–	7

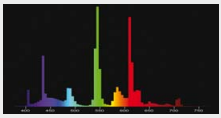
	A in mm	B in mm	C in mm	D in mm	E in mm	F in mm	G in mm	Fig. no.
CFL SQUARE 16	max. 138.0	max. 141.0	max. 27.5	max. 15.0	max. 41.0	max. 40.0	49.0/51.0	8
CFL SQUARE 28	max. 205.0	max. 207.0	max. 33.0	max. 24.0	max. 41.0	max. 49.0	74.0/77.0	8
CFL SQUARE 38	max. 205.0	max. 207.0	max. 33.0	max. 24.0	max. 41.0	max. 49.0	74.0/77.0	8

For details of the geometry see "CFLni Technical Guide"

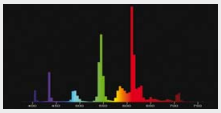
1) Also applies to the XT version
2) Also applies to T/E XT
3) Also applies to the CONSTANT version

Spectral power distribution of OSRAM DULUX® lamps with integrated control gear

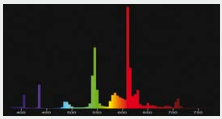
Visible range from 380 to 780 nm, relative spectral emission per 5 nm.



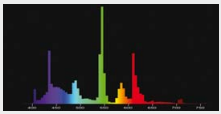
Color 840 LUMILUX®
Cool White



Color 827 LUMILUX®
Warm White



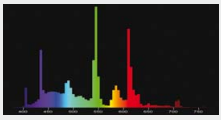
Color 825 LUMILUX®
Warm Comfort Light



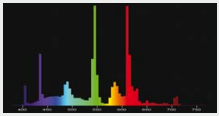
Color 865 LUMILUX®
Cool Daylight

Spectral power distribution of OSRAM DULUX® pin-base lamps

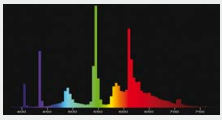
Visible range from 380 to 780 nm, relative spectral emission per 5 nm.



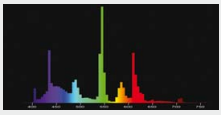
Color 954 LUMILUX®
DE LUXE Daylight



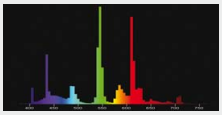
Color 940 LUMILUX®
DE LUXE Cool White



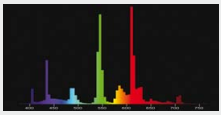
Color 930 LUMILUX®
DE LUXE Warm White



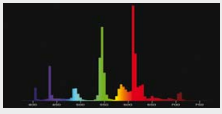
Color 865 LUMILUX®
Cool Daylight



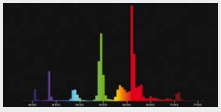
Color 840 LUMILUX®
Cool White



Color 835 LUMILUX®
White



Color 830 LUMILUX®
Warm White



Color 827 LUMILUX
INTERNA®

Note: These chromaticity diagrams do not show the color distributions in great detail. The color printing process is not able to provide an accurate match between the colors shown and the colors defined for the individual color locations.

Light colors and color rendering properties to DIN 5035 for OSRAM DULUX® lamps with integrated control gear

Light colors and color rendering properties to DIN 5035 for OSRAM DULUX® lamps with integrated control gear

Class 1	1 B	865 LUMILUX®	840 LUMILUX®	827 LUMILUX®	825 LUMILUX®
Very good	R_a 80 … 89	Cool Daylight	Cool White	Warm White	Warm Comfort Light
		6500 K	4000 K	2700 K	2500 K

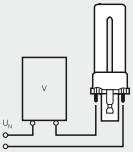
Light colors and color rendering properties to DIN 5035 for OSRAM DULUX® pin-base lamps

Light colors and color rendering properties to DIN 5035 for OSRAM DULUX® pin-base lamps

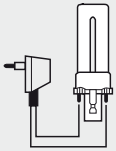
Class 1	1 A	954 LUMILUX® DE LUXE	940 LUMILUX® DE LUXE	930 LUMILUX® DE LUXE
Very good	R_a 90 … 99	Daylight	Cool White	Warm White
		5400 K	4000 K	3000 K
	1 B	865 LUMILUX®	840 LUMILUX®	835 LUMILUX®
	R_a 80 … 89	Cool Daylight	Cool White	White
		6500 K	4000 K	3500 K
				830 LUMILUX® Warm White
				3000 K
				827 LUMILUX INTERNA®
				2700 K

For an explanation of light colors see page 5.46 ff.

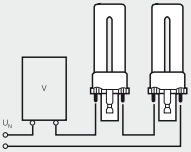
Circuit diagrams for conventional control gear



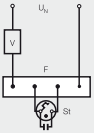
1
Single lamp with control gear
OSRAM DULUX® S 5 W, 7 W, 9 W, 11 W
OSRAM DULUX® D 10 W, 13 W, 18 W, 26 W
OSRAM DULUX® D ES 16 W, 23 W
OSRAM DULUX® T 13 W, 18 W, 26 W



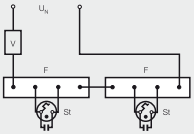
2
Single lamp with plug-in control gear
OSRAM DULUX® S 5 W, 7 W, 9 W, 11 W
OSRAM DULUX® D 10 W, 13 W
OSRAM DULUX® T 13 W



3
Series connection with control gear
OSRAM DULUX® S 5 W, 7 W, 9 W



4
Single circuit, starter St 111
or DEOS® St 171
OSRAM DULUX® L 18 W, 24 W, 36 W
OSRAM DULUX® L 18 W SP, 24 W SP, 36 W SP
OSRAM DULUX® F 18 W, 24 W, 36 W



5
Series operation on 230 V only
with starter St 151
OSRAM DULUX® L 18 W
OSRAM DULUX® L 18 W SP
OSRAM DULUX® F 18 W

F = Four-pin holder
St = Starter
UN = Line voltage
V = Control gear

For circuit diagrams for HF operation see Section 9.

Note for OSRAM DULUX® lamps with integrated control gear
All OSRAM DULUX® lamps with integrated control gear are designed for the European AC voltage of 220-240 V and are therefore not suitable for DC operation. Exceptions are indicated.

Bases IEC/EN 60061-1

For direct connection to AC supply

E14
Sheet 7004-23

E27
Sheet 7004-21

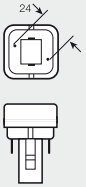
B22d
Sheet 7004-10

G9
Sheet 7004-129

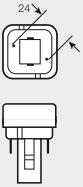
GU10
Sheet 7004-121

For choke/starter operation

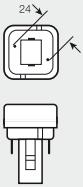
G23
Sheet 7004-69



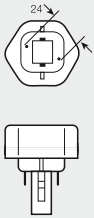
G24q-1
Sheet 7004-78



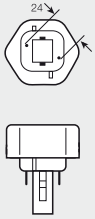
G24q-2
Sheet 7004-78



G24q-3
Sheet 7004-78



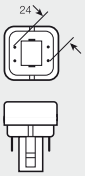
GX24q-1
Sheet 7004-78



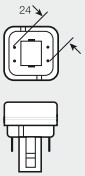
GX24q-2
Sheet 7004-78

GX24q-3
Sheet 7004-78

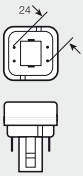
For HF operation



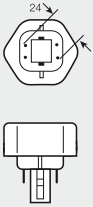
G24q-1
Sheet 7004-78



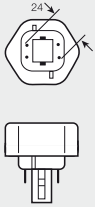
G24q-2
Sheet 7004-78



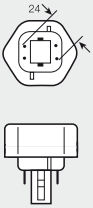
G24q-3
Sheet 7004-78



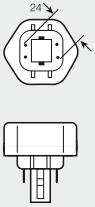
GX24q-1
Sheet 7004-78



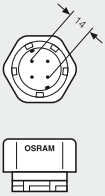
GX24q-2
Sheet 7004-78



GX24q-3
Sheet 7004-78



GX24q-4
Sheet 7004-78



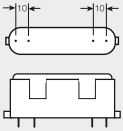
GR14q-1
Sheet 7004-156-1
(Draft)

For HF operation

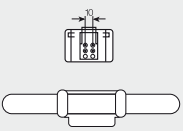
2G7
Sheet 7004-102

2G11[1)]
Sheet 7004-82

2GX11
Sheet 7004-82A-1
(Draft)

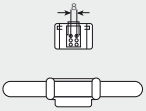


2G10[1)]
Sheet 7004-118



GR10q[1)]
Sheet 7004-77

For choke/starter operation



GR8
Sheet 7004-68

1) Also for choke/starter operation